

English Heritage faces dilemma on St John's Lodge

ENGLISH Heritage faces a crucial decision next week over whether to approve listed building consent for the controversial conversion plans for St John's Lodge, Regent's Park.

The commissioners find themselves in a situation where they must either fall out with their own advisers, or risk losing the country a £100 million-plus art collection.

If they reject the scheme for turning the building into a private art gallery, American businessman Frederick Koch has said he will take his collection of Victorian art elsewhere.

But to approve it they would have to override their own London Advisory Committee, which last week voted overwhelmingly to reject the scheme, which was drawn up by American architect Charles Young with Michael Manser.

Conservationist Jennifer Freeman, one of the committee

members who threw out the Young-Manser proposals, said Koch had not helped his case by his choice of architects, and may have had less opposition if he had chosen an architect with a better conservation record.

The committee backed a motion saying there were "sill

By Amanda Bailleur

strong architectural and art historical objections" to the revised conversion plans, which involve moving a staircase and losing some of the Victorian decoration of the Regency Lodge.

But the final decision will now rest with the commissioners, who include Simon Jenkins (one of only two LAC members to back the scheme), LAC chairman Robert Vigers (who abstained from last week's vote), architect Jeremy Benson (a strong conservationist and a friend and neighbour of Man-

ser's), architect-royal the Duke of Gloucester, and chairman Lord Montagu.

It is understood that the building owners, the Crown Commissioners, have been discreetly lobbying English Heritage to get support.

It would be unusual for English Heritage to ignore the advice of its committee, but an English Heritage spokeswoman said St John's Lodge could be one of the exceptions. She admitted that "the future role of the London Advisory Committee will be thrown into some doubt" if this happened.



McDonald's feeds trust

The Civic Trust is set to get a dramatic new platform for its environmental messages — the 202 McDonald's restaurants in Britain.

The hamburger company's agreement to sponsor the next two years of Civic Trust awards will also create the spin-offs of special McDonald's competitions and other events aimed at promoting environmental concern.

"We have always shown concern for the environment among our social and cultural interests," McDonald's UK chief executive Paul Preston told *BD* at the official launch of the sponsor scheme last week. "There are a few misconceptions about our company that need allaying — for example, 50 of our restaurants are in conservation areas, and eight of them are actually in listed buildings." He said litter was not a problem caused by his restaurants, but by people. He would not reveal how much the company was giving the Civic Trust, but said it was "substantial".

The launch took place in the newly refurbished McDonald's flagship restaurant in The Strand in London. Consultant architects Ansell & Bailey worked on the £1.2 million scheme with in-house designers. The new style will be extended to other outlets. Inset is the first McDonald's, opened in 1953 in Plaistow, Illinois.

Town hall listing hits rivals in Wimbledon

THE listing of Wimbledon Town Hall has thrown its rivals looking to develop the town centre into confusion.

The hall has been Grade II listed, but the exact text has to be released.

A spokesman for Greyson which has been seeking a public inquiry into the scheme, said: "The listing of the hall could mean both sides having to re-apply for planning permission, removing the need for a inquiry."

But a spokesman for the town hall thought the move would make no difference to its plans, which preserve the hall although without the full listing. He added that the council had been surprised by the listing because it had been assumed the DoE was recently as fickle that it would not be listed.

BUILDING DESIGN

No 792

The weekly newspaper for the design team

FRIDAY JUNE 20 1986

Merger creates a design giant

BIG business merger merrily reached the design world this week with news that Stewart McColl Associates and Covell Matthews Wheatley Architects are to join forces.

McColl Wheatley, as the new company will be called, believes it will be "probably the largest design group in the world", with a combined turnover of more than £15 million, trading profits in excess of £2 million and a total staff of more than 450.

Though BDP and American practices such as SOM have much larger staff and turnover figures, they are not pure design firms.

Final details of the deal are still to be settled, but McColl Wheatley will act as the holding company above McColl, CMW, and an earlier acquisition, architects Geoffrey Reid Associates. The majority shareholding will be with Stewart McColl, but all three firms will continue under their own names.



Stewart McColl (left) and John Wheatley — partners.

McColl said the merger was "not something happening overnight" but had come out of the "chemistry" established between the various partners.

"The benefit to clients is both the integrated quality of design and range of services and for the straight commercial reason that our fees should be lower through benefits of scale."

McColl Wheatley is by no means the end of the practices' growth — plans are advanced for a full Stock Market flotation of the group, which is expected to capitalise McColl Wheatley at a minimum of £140 million.

RIBA condemns privatisation

TAKEOVER TEAMS VIE FOR NHS 'PRACTICE'

FOUR firms of architects are bidding to take over a health authority architects' group, following a management decision to privatise building and design services.

Offers to move in on the staff and contracts of the North West Thames Regional Health Authority have come from MWT Architects, GTD Partnership, Day & England and First Architecture.

The privatisation concept is being opposed by the RIBA. They were reluctant to talk about their plans, but MWT

By Alan Thompson

commented "taking over part of the health authority's operation would fit right in with our expansion plans".

The practice recently purchased RTP Architects in Bristol, and also has offices in seven other towns.

A base in London is an obvious next move, and the health authority department has a ready-made staff of up to 82.

The authority's plans, revealed last month, have given staff three options — regroup into smaller multi-disciplinary teams, redundancies and work put out to private practices, or assistance from the authority for

the staff to "go private". The authority's estates director, Roger Johnson, who drew up the options after studying the department with management consultants Arthur Andersen, is keen on the staff going private.

He is understood to be prepared to guarantee some contracts in order to encourage practices to take over the workload.

This would get around the main stumbling block of a practice being prepared to incur the high liability insurance premiums associated with health service work.

The enthusiasm of the department for this form of privatisation is shown by one firm at least claiming it was directly solicited for an offer.

Concrete takeover proposals are being prepared for submission to a health authority board meeting in July.

Meanwhile the RIBA has slammed North West Thames Regional Health Authority for its privatisation plans.

Institute secretary Patrick Harrison urged the authority to retain its team of in-house architects.

"It is the Institute's view that for complex programmes of work of the kind undertaken for the NHS, collaboration between in-house teams and outside consultants constitutes the most efficient use of the available professional resource", he said.

"The contributions of in-house teams and consultants are complementary and interdependent, not alternatives."

Hammersmith scheme blocked

THE Hammersmith Broadway redevelopment has been blocked by the council designating part of the site as a conservation area.

The new Labour administration criticised the former Tory council for "rushing through the developer's final planning application of the 11th hour" in April, adding that listed building consent would be required from the council before any building in the area could be demolished.

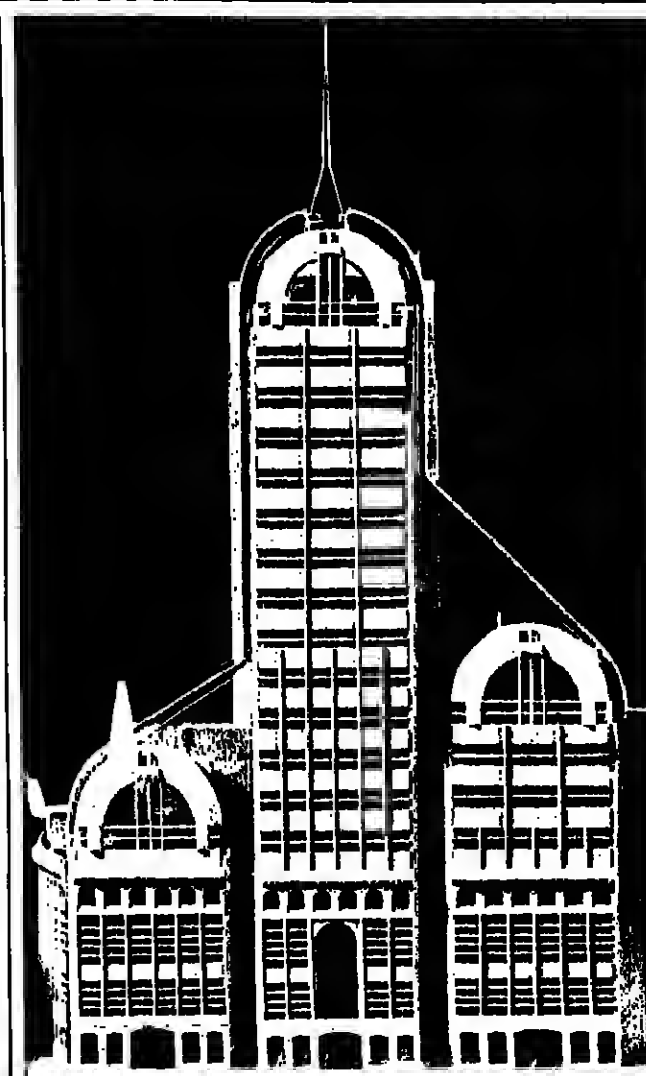
Ironically, developer Bredero Properties does have permission to demolish the only listed

building on the site, Thomas Archer's Bradmore House locale.

Bredero and London Regional Transport said they would apply for consent and appeal to the environment secretary if necessary.

They remain confident that consent can be obtained and that the development will start as planned next year.

During the election campaign Labour backed Terry Farrell's "Incremental" alternative scheme, which retains most of the buildings on the site.



GMW take a novel line for Barclays hq

Here is a first look at the GMW scheme for a new Barclays Bank headquarters in the City of London, soon to be submitted for planning permission.

The £60 million, 45,000sq m building would be put on the site of the existing headquarters in Lombard Street. GMW's approach to the scheme appears to demonstrate the continued softening of the practice's once fiercely Modernist approach, like that of other fallen Modernists Philip Johnson and his AT & T building. GMW have gone over to Neoclassical grandeur at ground level and some entertaining features on the skyline, where amenity space is provided.

Barclays have been on the site since 1728, and their present building was built in the 1950s to a 1930s design, and then added to in the 1960s and

Spitalfields plan fails to impress

ARCHITECTS for the Spitalfields site — Fitzroy Robinson — have been told by Tower Hamlets council that they should bring in other architects who are more community-based.

Planners have given Fitzroy Robinson a list of around 10 practices they would like to see brought in on the development.

Councillors said they were looking for buildings of "outstanding architectural merit", with a height limit of 35m.

Fitzroy Robinson's scheme for London & Edinburgh Trust has not impressed planners, who say there are a "lot of grey areas".

Tower Hamlets has been in discussion with the Royal Fine Art Commission and will be meeting conservation groups next week.

Meanwhile, the nearby controversial proposal for a 60-storey tower designed by Ian Ritchie is being "shunned down", according to planners.

Laing wins

LAING Homes has won the contract to redevelop the derelict Portdown Park estate in Portsmouth. Barnut had been selected last November, but after an outcry over the terms of the deal, the Government ordered the council to invite new offers for the work.

27th knight

ANDREW Derbyshire has become the 27th architectural knight. Story page 4

Dublin stalls dual carriageway plans

DUBLIN City Corporation this week reacted to mounting criticism of its continuing modernisation of the city centre by deferring a controversial road scheme.

The 20-year-old plan to put a dual carriageway past St Patrick's Cathedral has just received the Irish environment minister's approval for compulsory purchase orders for the 1km strip of road. But councillors have now decided the £1.2 million scheme needs further consideration, and are likely to consider it as part of a major review of the city plan due out next year.

Conservationists were outraged at the Government's acceptance of the case for the 1960s road improvement plan. Their concern made councillors feel it was time for an environmental impact assessment. But the corporation spokesman added that "it is a fact that a jogger would cause more damage to the cathedral than this road. It is actually further away from the cathedral than the

existing road."

The corporation has also been under attack from leading American post-modernist Michael Graves who recently visited the city.

He said Dublin looked like it had been through World War Three.

He even turned on the corporation's own offices, the new Civic Offices at Wood Quay, designed by Sam Stephenson. He described the buildings as "bunkers", and said the City Hall had no more character than a speculative office block. He said if the corporation was to organise a competition for the second stage of the civic centre, he would consider entering it.

But the corporation and Stephenson responded by saying that Graves was guilty of doing the kind of speculative work he criticised.

Castle repair

SHREWSBURY council has put out a request for second-hand red sandstone blocks to repair a gaping hole in one wall of the town's 11th century castle. A repair programme costing £200,000 has been given to councillors.

Foster job

FOSTER Associates have appointed BBC Radio executive Richard Wade as a director in charge of communications and administration. He will take up his post next month.

AA council

ROGER Zogolovitch, Michael Foster and Peter Rich have been voted onto this year's council at the Architectural Association.

... signing off ...



J. R. 1986-1987

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ABC

Rostrum

THIS year's Herman Miller celebrity lectures at the RIBA were limited to two: Dr David Owen of the SDP and Donald Treford, editor of the *Observer*, speaking on "Corridors of power, an environmental perspective".

The consecutive evenings provided a nice series of contrasts — for the politician the hall was crowded, for the journalist it was far from full, though they both attracted a number of their peers — that is, other politicians and journalists.

Owen disclaimed the title but stuck to the subject, Treford did neither; Owen voiced unpredictable and pertinent views about current issues, Treford had predictable views about architects' failings in the 60s which some of his audience thought pertinent; they both plugged their own interests, namely SDP policy and proportional representation, and the *Observer* and the craft of journalism.

Owen's approach mixed realpolitik, boyish charm, the kind of calculated indiscretion which flatters an audience ("I'm never quite sure what SDP policy is" and "nonsense" ("but since I'm the only reliable authority..."). The lack of hubbub was effective. Speaking about the Okehampton bypass decision to carve a slice off a national park, he said: "About Dartmoor I'm absolutist. I don't want to be



Donald Treford — Spooner.

muddled by factual argument." He was against Palumbo and for Canary Wharf for the same kind of "gut" reasons. About the latter: "The Big Bang is a reality; there will be a need for that kind of space. That scale of development happens on the US west coast, it will create jobs; the architects have bought off Greenwich by moving the towers a bit; it will upset a few City property owners..." For those reasons he wished it luck. Above all he supports it because "once in a while it will do good to get off our arses and do something".

But then he disarmed criticism by admitting to some shame for views he could not support on respectable planning grounds. The facts, he said, that anyone with big ideas and any intelligence has to find ways of getting round planning procedures, as with development

David Pearce reports on David Owen and Donald Treford, Herman Miller's 1986 guest lecturers at the RIBA.

Contrasting perspectives

corporations and the Channel Tunnel, which is being pushed through Parliament. Not only is it essential to avoid "bloody awful two-year planning inquiries", but the legislation has to be changed to prevent them.

There was a great deal more of Owen's pragmatism; he doesn't approve of all the LDDC's works but "anything is better than the position before it was created". It extends to political opponents. Yes, Michael Heseltine does care passionately about the environment. Yes, Kenneth Baker is clever and he does regret his short stay at DoE, but since there are three Owen school-age children he is glad that there is a change at education. And as for Nick Ridley's appointment, "that is like putting a fox in charge of a chicken run". But even then he added that ministers often

improve in office.

All these opinions were more diverting than the serious points about Britain's inability to tackle urban decay being a symptom of national economic decline. "We are now the world's 19th industrial nation". Although we have cleaner rivers and historic buildings, few would claim that the environment as a whole is an improvement on what it was 30 years ago. He spoke of 5 million homes, a quarter of the stock, needing repairs. But his recipe of removing the deadening mesh of Labour's bureaucratic controls and the Tories' unearthing capitalism, namely to amalgamate them both in "public/private initiatives" which could plan long-term (because proportional representation would prevent disruptive power handovers), all this seemed a bit thin.



David Owen — pragmatic.

Owen's strength seems to be in one-liners, viz the construction industry is not only useless at lobbying, it is masochistic. Companies like Costain and McAlpine shovel money at the Tory Party, only to be kicked in the land are the BMA, the farmers (even under Labour) and the NUM — "until Scargill destroyed it".

After a skilled politician's massaging of an audience, Treford's attempts to achieve some identity between journalists and architects by pointing out that they share the same long run on the ladder of public esteem seemed wishy-washy stuff. Proclaiming his ignorance of architecture, he seems to have got a briefing paper from his architectural correspondent to enable him to chuck just enough names around to prove that the

Observer really does care. What he must care about is "the unprecedented collapse in confidence in new architecture which Ian Nairn had highlighted in the *Observer* in 1966, attacking 'addled people producing addled buildings'". He also quoted Tom Wolfe in describing what he called the post-war role reversal wherein clients are browbeaten by architects into commissioning "those great hulking structures they hate so thoroughly". What Treford particularly hates is overbuilt buildings like the Euston Centre which destroy the city's scale, as well as the vast public housing estates.

He likes things small and varied. He thinks design can be good, popular and make money. Conran, Laura Ashley, Italian lumps and cars, Pininfarina and Eric Lyons' Spa housing.

He took precisely opposite positions to Owen on Palumbo and on Canary Wharf. "I then, I know David very well, likes to shock people by coming out with Tory views".

Treford reassured his audience that the public's interest in architectural matters was growing, though the battle of styles is for the professional. What is news editors really go for is "a good planning row". And which was a bit removed from his finale, a quotation from Cussack at 90 to the effect that one's work should be "a sale to life".

used farm buildings into self-catering and bed-and-breakfast accommodation; it is likely to show increasing enthusiasm for such "recycling".

And is the trust now in the market to buy whole villages? Laycock or Syall? Not at present, says Dame Jennifer with a wry smile. "We have to look after what we have".

Looking after its own great houses — it has some 85 large country houses open to the public — is part of that task.

Landscape and the coastline as well as vernacular buildings are likely to be higher priorities for the immediate future. "I would like to see the trust going ahead us first as possible with protection of the coast, before we get more second homes and unsightly development". But she is emphatically not anti-tourism or anti-all development.

"But we mustn't think in terms of other tourism or protecting the coast. They're not alternatives. We can, and must, have provision for tourists in well-sited developments — for instance, a car park or a caravan park kept back from the coast, and well shielded. Two old bungalows can ruin a stretch of coast or a headland".

The prospect of large-scale disposals of surplus water authority and Forestry Commission land is posing quite a challenge to the trust.

It lacks the resources to buy more than a fraction of what is offered, but is discussing with the commission possible acquisition of land bordering its own properties or where surrounding landscapes could be adversely affected.

As to water authority land, it is looking carefully at what is involved and which land is protected, say, by national park controls. She personally would give high priority to protecting open upland valleys from development or afforestation.

The trust itself is already taking a more entrepreneurial attitude as a provider of tourist attractions.

It is seeking to extend network of shops in historic towns — Newcastle and Oxford are places where it is looking at suitable properties — and expand and update the schemes it offers in its shops and mail order. "Dame Jennifer particularly keeps that she should sell not only golden houses but general goods similar attractions in an

Docklands scheme has to be expanded

THE transformation of London Docklands is taking place so fast it is tripping up on itself.

This week Tarmar Brook-glade unveiled a redesigned scheme for its Heron Quays development in the Isle of Dogs, which although already partly built is to be dramatically expanded from 54,000sq m to 135,000sq m.

Architects Nicholas Laezy, Jobst & Hyett have radically redesigned their earlier £75 million scheme, a quarter of which is already up, in what is clearly a knock-on effect from the plans for the neighbouring Canary Wharf.

The mixed development of offices, apartments and "amenity buildings", including a Docklands Light Railway station, will be increased from seven to 10 storeys, and will step out even further over the surrounding dock to create a "Venice-like setting" for the 6,000 people who will live and work in the development when completed, sometime before 1992.

Royal Mint dig starts

WORK started this week on the £120 million development of the Royal Mint site close to the Tower of London, with the excavation of the remains of a 14th century Cistercian Abbey.

The administrators of the land, the Crown Estate Commissioners, have given £200,000 towards the cost of the work by archaeologists from the Museum of London.

It is hoped the dig, scheduled to last until next January, will unearth enough of the abbey for it to become the centrepiece of the museum planned for the heart of the scheme.

Michael Manser

IN our story on St John's Lodge in Regent's Park last week we included a quote criticising Michael Manser's record on conservation. This was not intended to suggest that he has not carried out good work of this type, and in fact he has won a Heritage Year award for conservation. Our apologies for any embarrassment caused.

More reality needed in schools — Prince

TOO few architecture schools are incorporating real schemes as part of their courses, says Prince Charles.

Speaking at last Friday's Times/RIBA Community Enterprise Scheme awards, of which he is patron, the Prince outlined four particular areas that could bring about the revival of urban areas.

These involve partnerships between different interests, from professionals to local authorities, landowners, and financial institutions.

More community involvement in decisions would bring confidence and hope and the mistakes of the 1950 and 60s caused by centralised decisions could be avoided.

The Prince highlighted the Hull school, which he visited recently, for its active programme of local involvement and live projects. Other schools should follow their example, he said.

With around 40,000 of land in the London area registered with the Department of the Environment as surplus to requirements, the Prince saw great potential for new developments, both in the commercial and housing sector. We must "test great

Government tones down changes to use classes

THE most radical elements of last year's proposals to change the Use Class Orders have been dropped in the Government's consultation paper published this week.

Original suggestions from the Property Advisory Group were attacked by the Royal Town Planning Institute for putting developers' interests before those of the public.

The Government rejects the PAG's proposal to allow businesses with up to five workers to operate from dwellings without planning permission. It says existing arrangements will apply.

It has also dropped the category of general shops, which would have grouped hot-food vendors, banks, building societies and estate agencies with shops.

Instead it suggests three categories covering hot-food

shops and restaurants, general shops and services such as post offices and travel agencies, and financial and professional services.

The proposal to classify churches with leisure facilities such as theatres and discotheques has been altered, putting them instead with institutions such as museums and public halls.

The PAG's category covering institutions with more than 10 residents has been split in two, separating hotels and boarding houses from hospitals and residential schools and colleges.

Also rejected are three new classes covering the use of land for retail sales, light industry and general industry.

These should be accommodated within existing classes, according to the Government.

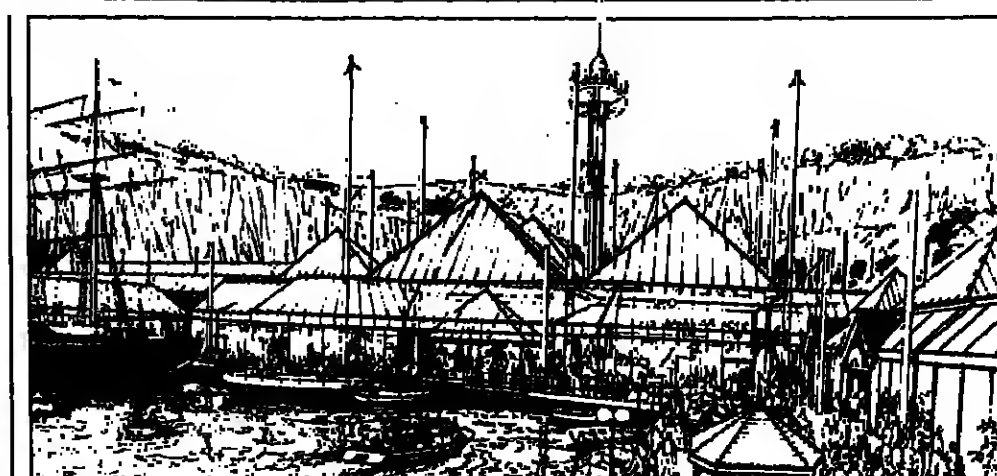
One area which everyone agrees on is the merging of office

and light industry to cope with recent technology.

Overall the proposals would simplify the present system, reducing the number of classes from 18 to 12, while encompassing some uses not covered by existing UCOS.

Free copies of the consultation paper can be obtained from DoE, Distribution Section, Building 3, Victoria Road, South Ruislip, Middlesex.

News



Giant green belt quarry plan

DOES development in a disused chalk quarry mean a breach of green belt policy? If the quarry lies within 107 ft (33 m) of a green belt, it would be a breach, believes the company behind a massive 320ha shopping and leisure scheme for a pair of linked quarries in Swanscombe, north-west Kent.

A planning application for the first phase of the proposals, comprising 120,000sq m of retail and 14,000sq m of leisure space, has been lodged with Dartford council by a company formed by Blue Circle (which owns the quarries) and developer Shoarwater, a subsidiary of Rosborough.

Designed by architects Gordon Hony & Partners, "Blue Water Park" would include three lakes in the first phase, which could start by the end of 1987 and be completed in two years. Discussions are still under way on the content of the second phase, which would probably be

exclusively devoted to leisure uses, and could include a hotel.

Blue Circle has already submitted a basic plan for the tidying up of the quarry as it comes to the end of its useful life, but at a press conference this week, the developers sold the local authority was looking for something more exciting which would generate employment. It is estimated that the total development could mean up to 8,000 new jobs for the area.

The buildings in the scheme, which is the latest mega-proposal for sites around the M25, would be about 40m below the top of the quarry, and would therefore provide no visual intrusion into the green belt, say the developers.

Development within quarries is also being proposed for sites on the north side of the Thames for a shopping centre development at Thurrock, and for a major housing site nearby designed by Owen Luder.



Dame Jennifer... champion of the vernacular.

THE National Trust will in future place more emphasis on vernacular buildings and landscape, and less on grand country houses, says its new chairman, Dame Jennifer Jenkins.

"We need to survey all the vernacular buildings we own, assess how important they are, how valuable, and in what state of repair."

She hopes to get a "Little Houses" scheme started in Wales, along the lines of the National Trust for Scotland's scheme which rescued groups of vernacular buildings in Culross, Pittenweem and elsewhere; and she sees the trust making limited purchases of key landscapes from the "surplus lands" the Forestry Commission and water authorities have been ordered to sell.

As chairman of the Historic Buildings Council for England and then of English Heritage's equivalent committee, she showed herself a strong and resourceful champion of the

In last week's issue, Richard Griffith of the Historic Buildings & Monuments Commission gave his views on protecting historic buildings. Here Tony Aldous reports on a new direction for the National Trust as seen by its new chairman, Dame Jennifer Jenkins.

Small is beautiful

vernacular and of composite streetscape. The saving of Chesterfield's market place and Georgian terraces in Liverpool were just two such exercises she pioneered.

But the National Trust's change of strategic emphasis from stately homes to humbler

buildings and townscape reflects more than the new chairman's long-standing conviction that vernacular buildings have been undervalued and need all the help she can give them. It equally results from the compelling logic of the trust's own commitments and capability.

It has for some years accepted great houses only when their upkeep could be assured by endowments, including revenue-producing estates. The acquisition of the great Palladian Derbyshire mansion Kedleston (only made possible by a £13.5 million cash injection from the National Heritage Memorial Fund) obscures the fact that such additions to the trust's holdings are becoming fewer and fewer.

The Scottish National Trust's "Little Houses" scheme operated as a revolving fund: buying, restoring, recreating confidence and credibility in an area, and then selling. A National Trust scheme, Dame Jennifer believes, is an appropriate mechanism in Wales, where the building preservation trust movement has not developed very far. In England, established local trusts, or her own safety net British Historic Buildings Trust, are equipped to tackle the problem using a similar approach.

As for vernacular buildings in National Trust ownership, she makes it plain that they will need to earn their keep. Some of them the trust can lease out; others, she says, may possibly be restored and put to use under joint schemes with English Heritage and local authorities. The trust already encourages its tenant farmers to convert dis-

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Best of friends — the Prince of Wales and Rod Hackney at the Times/RIBA Community Enterprise awards presentation.

Whether through the cats cradle of red tape which chokes this country from end to end," he said. And in what some took to be a reference to the internal arguments between the RIBA and the Community Architecture Group, he called an all involved with urban regeneration to sink their differences.

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lumitron

News

New leisure centre design the best form of flattery

A touch of architectural dais may confront the visitor to Ebor Plaza, MWT's £8 million leisure centre which opens next month. Doubtless Jim Stirling will find this curving, sloping glass wall (left) the best form of flattery, although he may find it difficult to find his ideas reflected elsewhere in the scheme (right).

The complex includes a swimming pool, major auditorium, snooker hall, health centre and squash courts, as well as bars and a restaurant. It is part of the Rush & Tompkins development of a large derelict site beside St Thomas' station in Ebor. Next door is a new supermarket and a library.



40-year backlog

COUNCIL houses in Leeds could be left with pot sinks for another 40 years if the Government continues to underfund the city's housing improvement programme.

An independent survey has shown it would cost £600 million to bring the city's housing stock up to modern standards.

Councillor John Battle told the housing committee that if the council continued to have its housing investment programme cut to last year's figure of £22.8 million it could take 40 years to catch up.

Government's tower block survey attacked as failure

THE Government was attacked this week for the failure of a crucial survey of the controversial large-panel tower blocks.

Almost two years ago the DoE asked local authorities for information on the structural condition of their tower blocks. But many have still not responded, or else have merely replied that the structural standard is not known.

In recent weeks this ignorance has become highlighted again as concern grows over the safety of Beama blocks, whose strengthening since the Ronan Point disaster appears to have been fairly hit-and-miss.

Ted Cattle, housing spokesman for the Association of Metropolitan Authorities, has now called for a directive from the Government of an official standard for tower block strength, and a clear guide of what councils should look for in surveying the buildings.

He said "only a few weeks work" would be involved in thrashing out these standards, if

the DoE would give the go-ahead.

The DoE has effectively already admitted the case for such a survey by its 1984 request to councils. But the results of this, as published earlier this year in a Building Research Establishment report, *Large panel system dwellings: preliminary information on ownership and condition*, were far from comprehensive. It covered less

than half the 140,000 such flats known to have been built. The problem for the Government may be its reluctance to open itself out to further requests from the local authorities for financial assistance in the survey, or towards any subsequent strengthening work.

Cattle estimated it cost a small authority up to £500,000 to survey up to 10 blocks.

By Alan Thompson

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Out of register

BARTLETT school lecturer and RIBA events convenor David Dunster has had a short-lived membership of the Aerek board of architectural education.

Next week's council meeting is expected to confirm Alun Lipman as his replacement, following Aerek's rejection of Dunster's election in March following discovery that his registration had lapsed.

Top museum

BEAMISH North of England Open Air Museum is the Museum of the Year for 1986.

The museum, which illustrates industrial development, received £2,000 and a sculpture by Henry Moore in the award scheme run by the *Illustrated London News*.

MWT post

THE new managing director of MWT Architects (Turo) Ltd, Newton.

He has been with the MWT Group for nearly 14 years and was made a director of the firm company on its formation last year.

He succeeds Peter Rooke.



Marina design solution

The latest plans for housing in Brighton marina are a radical departure from the original plan by MWT.

Volume house builder Barratt have taken on architect the MWT Partnership for the £11 million project and have opted for a more decorative design harking back to Brighton's Regency Terrace.

The 750 dwellings will have many Regency features, including windows, turrets, balconies, arched fireplaces, and decorative wrought-iron gates.

Most of the homes, which come complete with their own yacht moorings, will be set in a continuous six-storey terrace facing the marina and the sea.

A garden setting for Hampstead car park

A £25 million scheme designed to relieve Hampstead's parking problem while creating a mix of shopping, housing, offices and workshops has been announced by local architect Ted Levy Benjamin.

The development would be sited on the New End Road, which is being sold by the Health Authority.

Developer Dowling refers to the scheme — which is the heart of a conservation area — as a "village within a village".

"What we envisage are less walkways, courtyards and parking," said Dowling director Malory Clifford.

Also included are 100 flat office space, community space, a medical unit and workshops.

The scheme will go to Camden council for detailed planning permission later this year.

Architectural historian Alun Lipman is leading a local campaign to save an Edwardian house in Hampstead designed by CHB Quennell.

Developers want to demolish the house and build a three-storey block of flats on the site.

In a letter to Camden council he strongly opposed the demolition of "a good quality Edwardian house designed by a distinguished architect and in a remarkable condition".

The house should be converted into flats "or used by a family as originally intended".

Service said.

More big plans for Midlands

If schemes continue springing up at the present rate, the West Midlands could end up being one big shopping/leisure development from Wolverhampton to Coventry.

While architect-developer Igor Kolodaischko's proposal for the biggest thing ever on a steelworks site in Sandwell (page 3 last week) builds up its case, two new huge shopping schemes were unveiled this week.

Architects The Halpern Partnership have just submitted a planning application for a 40,000sq m shopping centre in Birmingham.

The 10ha site comprises the existing Lynton Square

Shopping Centre and adjoining former greyhound stadium at Perry Barr. Developers Lynton Holdings and Ladbroke City & County Company are backing the futuristic design, which includes a major superstore, food court, traders' hall and community centre.

Meanwhile, Building Design Partnership have been appointed architects for the £60 million development of a Central Electricity Generating Board site at Birchills, Walsall.

The Carroll Group is planning a leisure, shopping and industrial scheme for part of the derelict 48ha site.

Thumbs down for playhouse

DESIGNS for a new Leeds Playhouse have met a chorus of disapproval at their first showing to city planners.

The Appleton Partnership's scheme was the unanimous choice of the assessors in a major architectural competition last spring — but councillors are less enthusiastic.

Wide-ranging criticisms include the orientation of the proposed building, its scale and

before the judging of the competition.

"We passed our technical comments at that stage, but were in a difficult position to really influence things as we were not on the assessment panel," said the spokesman.

"There were a lot of good schemes, some which complied with our brief for the site. We drew attention to the fact that this scheme did not meet the requirements."

A key problem is that councillors object to the theatre complex having servicing and access from St Peter's Street. They wanted the main public face on this side.

The choice of buff instead of red bricks, and the proposed concrete roof tiles also break with the guidelines.

Knighthood to Derbyshire in birthday honours list

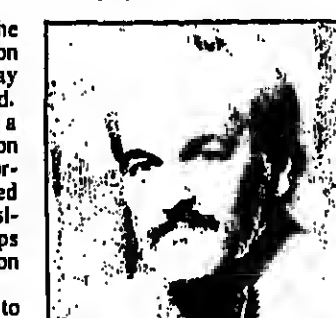
ANDREW Derbyshire tops the architectural world's recognition in this year's Queen's Birthday Honours List with a knighthood.

President of RMJM and a board member of the London Docklands Development Corporation, Derbyshire is a failed candidate for the RIBA presidency — but this honour places him ahead of the normal recognition afforded to RIBA presidents.

His wide-ranging service to architecture and interest in regeneration was shown recently by his acting as an assessor on the Times/RIBA Community Enterprise Awards.

The next highest award to an architect is picked up by John Weeks, who recently stepped down as senior partner at Llewellyn Davis Weeks. He gets a CBE.

OBEs also go to the National Trust's architectural adviser, Gervase Jackson-Stops; landscape expert Hal Moggridge of



Sir Andrew Derbyshire... wide-ranging service to architecture.

Colvin & Moggridge; William Trinder, architect for the Northern Ireland Housing Executive; and RIBA honorary treasurer Noel Wurr.

Well-known figures in the development world who have been honoured include Slough Estates chairman Nigel Mobbs, who gets a knighthood, and Graham Shaylor, the Birmingham city planner, who is awarded an OBE.

Council's romantic side

A HISTORIC house in Newcastle which looked destined for demolition has been saved. Newcastle City Council has taken over Bessie Surtees' 17th century house on the city's quayside and intends to spend

£200,000 to complete restoration started by Tyne & Wear. Bessie Surtees was the parramour of John Scott, later Lord Eldon. She sloped with him from a first floor window of the house in 1774.

BRE issues new guides

THE Building Research Establishment has issued three papers on weatherproof joints in large panel system buildings.

They contain information on faults in weatherproof joints in large panel systems buildings and details of remedial measures available.

Information Papers IP 8/86, IP 9/86 and IP 10/86 are available from the BRE price 75p. (0923) 674040.

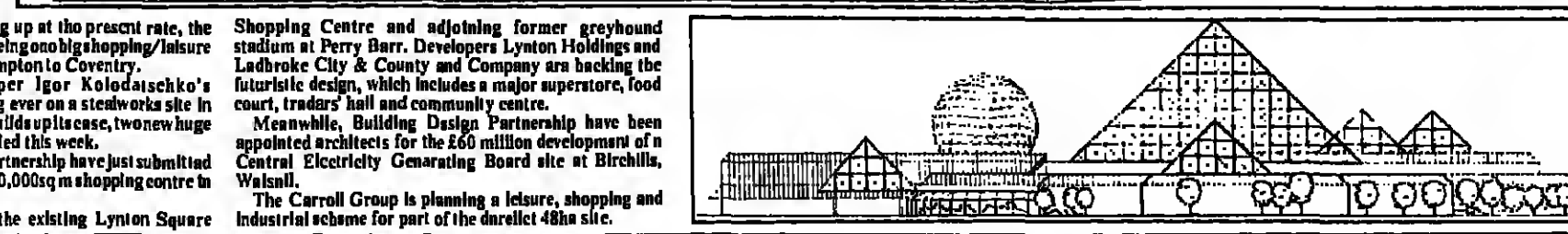
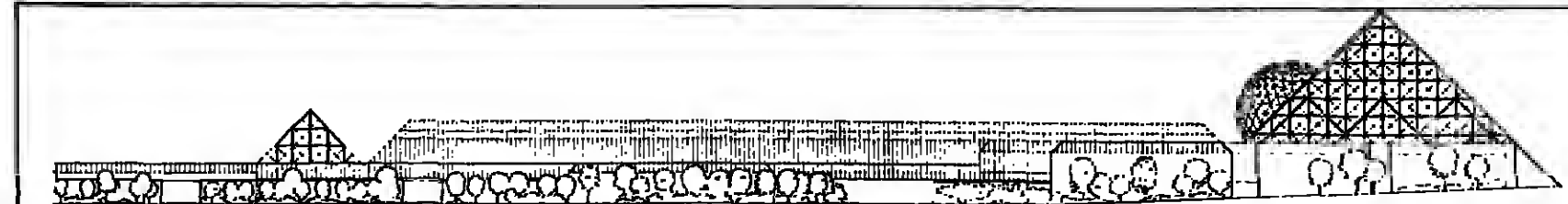
Schools threatened

MAINTENANCE cash shortage for schools in Bradford is so severe that schools may have to close for safety reasons, council leaders claim.

The city has a £17.6 million backlog in repairs, rising at more than £2.5 million a year.

At present spending rates, officers have estimated that schools might be redecorated only once in a century — if they can stay open that long.

News



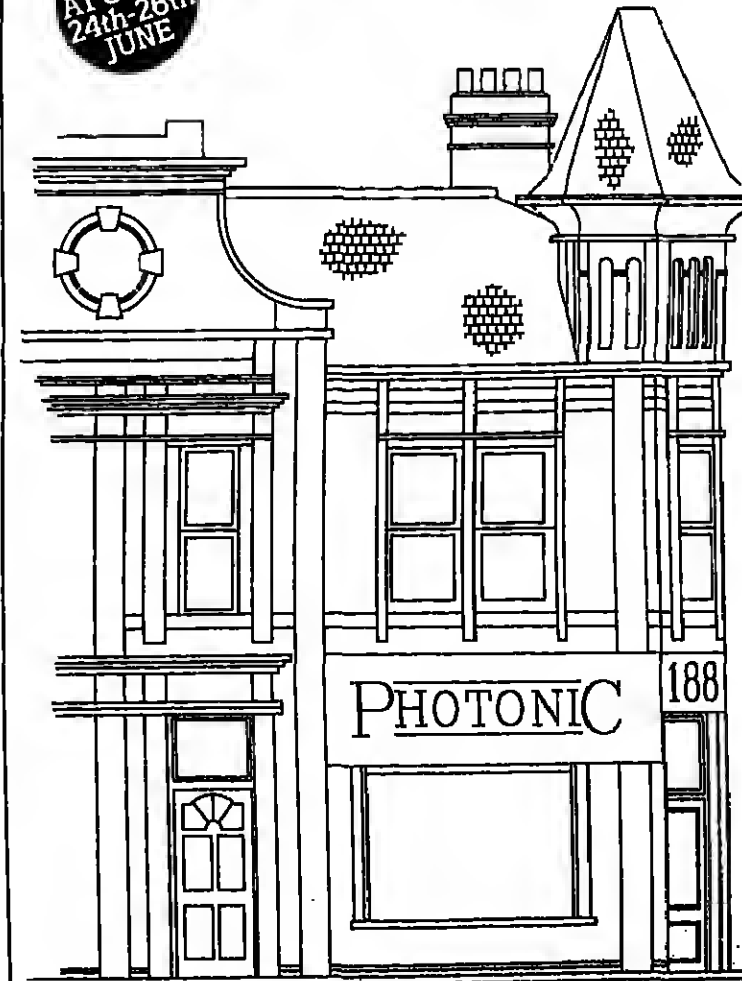
PSA wins awards

MAJOR safety at work awards were presented to the Property Services Agency this week by the Royal Society for the Prevention of Accidents in recognition of the agency's London and Scottish regions' achievements in reducing accidents.

In London, serious accidents on PSA work have fallen by more than 50 per cent in the past five years.

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Library building survival

WESTMINSTER council has turned down plans by Land Securities to demolish London's oldest library and develop the site in Great Smith Street, close to DoE headquarters.

This dramatic about-turn from the council, which approached the developer and its architect, Frederick Gibberd Coombes, and offered them the site, comes after pressure from local residents and MPs.

Part of the original deal was a new library for the community and an underground car park to help deal with traffic using the Westminster conference centre.

Montagu's rewards

LORD Montagu is paid £22,000 to be chairman of English Heritage, the DoE has revealed. His deputy, architect-royal the Duke of Gloucester, takes no remuneration, but the other three architect commissioners — Jeremy Benson, Donald Insoll and William Whitfield — each get £3,190.

The chief executive of English Heritage, formerly the Historic Buildings & Monuments Commission, gets £42,000.

Energy teach-in

IMPLICATIONS of the new Energy World housing development will be discussed at the RIBA on July 18.

Developments in energy-conscious housing, particularly as shown in the Energy World show village currently under construction, will be explored. Bill Allen of Bickerdike Allen chairs the day. Details from Tim Blackburn, tel 01-580 5533.

Hugh Morris

HUGH Morris, the RMJM architect, who died suddenly on June 9, was a charismatic figure in his profession. After a brilliant and eventful career at the Architectural Association, he joined the London County Council housing division whose radical and inventive approach — under Robert Matthew — suited his temperament. In addition to a number of completed developments, he was responsible for the housing aspects of "the best new town that was never built" at Hook, Hampshire.

In 1955, he was seconded for a year's teaching at the AA and a severe attack of polio left him physically disabled but with his zest for life, charm and sensitivity totally undiminished; which stood him in good stead when he became president of the AA in 1967.

By then, he had joined the new practice of Robert Matthew,

Johnson-Marshall & Partners and became the partner responsible for the design of the new University of Bath. He was London chairman of the partnership for eight years, before handing over in 1984 to Andrew Derbyshire the chairmanship of the new company — RMJM London Ltd — that he had helped to start.

Thereafter, he continued his close connections with RMJM and also set up Morris & Clark, a child of the RMJM family specialising in smaller building projects.

Morris generated community responses to planning issues. With others in Camden Town he helped torpedo what had been known as the Inner London Motorway Box; more recently, he was the community mouthpiece for opposing controversial building developments.

Peter Newham

Battersea's asbestos removal 'way off schedule'

ASBESTOS removal from Battersea Power Station is way behind schedule, the Central Electricity Generating Board has revealed.

The news is fuelling local speculation that the scheme for a £60 million theme park will never get off the ground.

The CEGB told *BD* that the first phase of blue asbestos removal is near completion, but a price for the finished work has not been agreed with the developer, Battersea Leisure.

CEGB says that "complicated negotiations" are going on with Battersea Leisure head John Broome, over who is to pay for the work, which has almost trebled in price.

The board also says it cannot start work on the second phase

so far in his attempt to raise finance for the project, proposals have been made for a £600,000 train station.

Battersea Leisure says that 60 per cent of the estimated 22,000 daily visitors will come by car.

The train service — which will be linked to mainline platforms at Victoria and Clapham — will not run in the rush hour.

But a spokesman for another local pressure group, the Battersea Power Station Community Group, called the station plans "totally inadequate".



One of the schemes illustrated at this year's Archibex exhibition is this interior for the Diplomatic Club in Riyadh commissioned by the Riyadh Development Authority, and designed by Omran in a joint venture with Ateller Friebe and Büro Happold. Our preview at the Archibex exhibition starts on page 22.

Study finds 'atrocious' conditions

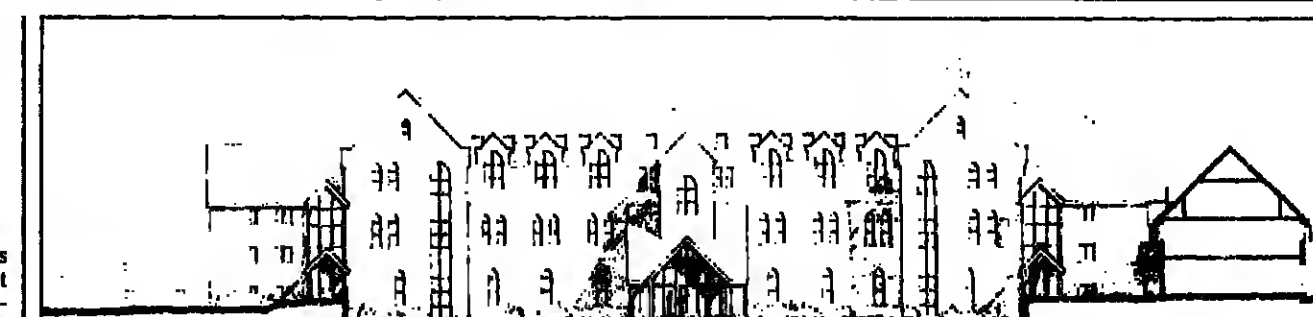
ATROCIOUS living conditions have been uncovered by the first local study following the Inquiry into British Housing chaired by Prince Philip.

The Inquiry into Leicester-shire Housing found that one-third of the city's housing was built before 1919 and that there were 4,701 unfit homes and 6,333 lacking inside toilets or baths.

A total of 33,428 houses needed major repairs and the numbers of homeless had increased by 10 per cent in the last year.

Ban on gas

FEARS over the spread of fire in tower blocks have led the Northern Ireland Housing Executive to propose banning bottled gas appliances from all high-rise blocks over four storeys. But many of the blocks in the province would still have piped gas.



MPs attack PSA again for overspending slip-ups

PROPERTY Services Agency work practices are continuing to come under heavy fire from MPs.

New reports from select committees identify shortcomings in the agency's organisation of major building programmes for courts and prisons and in estimating costs.

For the second year running

the environment select committee has drawn attention to the "long list of overspent projects" handled by the PSA.

In its fourth report of this

session, the committee criticises the relation between estimating and the design process at the

PSA, and picks out projects which have diverged from estimates by as much as 114 per cent, with an average increase of 12 per cent.

The MPs call for the PSA to study its control procedures, and also to refuse quoting for a project until the client bodies firmly fix their requirements.

An extreme example of the past-estimate alterations was at

Derby Crown Court (77 per cent over estimate), where the Lord Chancellor's office decided it would like 50 per cent more space than originally proposed.

A slip-up placed firmly at the PSA's door occurred with the 51 per cent rise in costs for the eastern galleries project at the Natural History Museum.

Misleading information caused the bulk of the rise, but the PSA received a rap over the knuckles from the DoE and from the committee for failing to obtain ministerial approval for letting the contract.

But the Government itself is under attack indirectly in the MPs' comments, as they continue to criticise the mounting maintenance backlog faced by the PSA on its estate responsibilities. This rose from £90 million last year to its present level of £100 million.

The backlog in the court building programmes slammed by the public accounts select committee, which calls for "sustained action and a change in attitudes" in order to get to grips with the continuing pressure on the courts.

It calls for the Lord Chancellor's department and the PSA to "take stock at the highest level" of the courts' programmes problems.



Unconventional

MORE than 50 luxury homes are being created within a former convent. Luc Markies Associates are architecting the £3 million refurbishment of St Mary's Convent in Rattlewood, Sussex. Together with new build it will provide 43 apartments, 14 houses and an underground car park.

The car park is below the quadrangle which has been formed by the addition of new wings at each end of the main building.

THE environment select committee has added its voice to protests over the Government's response to the deteriorating condition of Britain's housing stock.

It has called for a speeding up of plans for the House Condition Survey, pointing out that on present timing the results will not be known before 1988 at the earliest.

The committee is clearly irritated at having DoE officials refuse to answer questions on the state of Britain's housing, consistently pleading that they must await the survey's findings.

"Neglected maintenance is not merely postponed but gives rise to the need for even more maintenance later on," the committee points out.

It has asked for the whole survey process to be speeded up so that preliminary results will be available for consideration alongside next year's DoE estimates.

MPs on the committee believe that the public sector situation is clearly getting worse, while the private sector is improving its maintenance backlog.

The committee suggests that £1 billion a year expenditure on the public sector will not be enough to achieve any reduction in the £19 billion backlog.

Stockport issues tower block writs

STOCKPORT council has issued writs against five building contractors over 17 defective tower blocks in the borough built in the 1960s.

But the council's chances of recovering all of the £650,000 spent on repairs look bleak because three out of the five companies have ceased trading.

Although the companies have been taken over by other firms, liability for any past work is denied.

The blocks at Lancashire Hill, Brinnington, Mottram Street, and Hollywood have in-situ reinforced concrete frames with brick infill panels and concrete cross walls for stiffening.

They were designed by the old Stockport Borough Council with engineers L G Mouchel & Partners.

Faults were discovered in 1981 during routine cladding maintenance and Mouchel's were called back to survey the blocks. They found insufficient cavity ties, excessive cavity widths and inadequate support of the brick infill panels.

The upper floors of the blocks were immediately evacuated until they were made safe.

Final touch

PETERBOROUGH Development Corporation is to be wound up on September 30, 1988, the DoE has announced.

The new town plan has been largely achieved, says the department, but final developments will involve the completion of the road system, proposals for redevelopment of the Rivergate area, and more private housing.

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After a three-year battle with planners, local developer Wigan Homes has won permission for a £10 million holiday complex and marina on the edge of Lake Windermere. The scheme includes 76 waterfront cottages, new moorings and an extended marina basin. A new club house, restaurant, and leisure facilities are planned.

Students take prizes in ideas competition

THE winners of an ideas competition for converting industrial relics in West Yorkshire include three students from Manchester Polytechnic. Three designs shared first prize and won £1,000 each. Students Catherine Storr and Ray Bunting proposed to turn the Granary at Leeds into a restaurant, museum and workshop.

Michael Ollis, also from Manchester, produced plans to convert the Crossley Mill at Sowerby Bridge for residential use and Mitchell Proctor & Associates drew up plans to turn the Calder & Hebble Navigation Warehouse into a "hotel". The competition was sponsored by the RIBA and the West Yorkshire County Council. There were 47 entries.

Falling out in style...

A BUILDER fromournemouth has planning permission for a nuclear fallout shelter, complete with Jacuzzi. Horvey Euridgesaid he would be able to survive in the shelter for two years. Bournemouth council said the shelter must be "suitably landscaped" and should not be inhabited "unless there is a national emergency".

A PROPOSED European Community building near London's Tower Bridge is being opposed by the Royal Fine Art Commission, residents and the local council.

St Katharine-by-the-Tower, the wholly owned subsidiary of Taylor Woodrow, has applied to the London Docklands Development Corporation for planning permission for an office and housing development (below). The £19 million scheme, designed by APT Partnership, comprises three-, four- and five-storey office blocks totalling 8,100sq m, plus seven town

houses. It was designed after an application for a 10-storey development rejected last year. It is on one of four sites shortlisted by the Government as a potential location for the

By John Wood

European Community Trade Marks Office, but a spokesman for the developer said the scheme would go ahead whether or not it was selected for occupancy by the EC.

Local residents are outraged by the scale of the proposals. Frank Muldoon, spokesman for the South Quay Tenants Association, said: "For our homes which are adjacent to the site, their five storeys corresponds to eight of ours."

He said the SQTA would not object to a low-rise development, but would prefer an architectural competition.

The RFAC attacked the quality of the design. In a letter to the LDDC, chairman Norman St John Stevas described it as "missing too many opportunities to be acceptable".

"A large office block does not fit together with the modest charming Dockmasters House (alongside)."

Tower Hamlets council is also opposing the scheme. A meeting of its Wapping neighbourhood committee last week the area was suitable.

Unless more shops and at least one storey were removed from the blocks, it would ask the scheme to be called in.

The other three sites chosen by the Government for the Trade Marks office are 24 Cockspur Street near Trafalgar Square, Harrow and Croydon. Other European cities are being considered.



Religious input for RIBA conference

DAVID Jenkins, controversial Bishop of Durham, has accepted a longstanding invitation to address the RIBA conference next month.

Bishop Jenkins looks set to add to his troublemaker image, as he is scheduled to respond to environment secretary Nicholas Ridley's keynote address to the conference on July 10.

On the conference's main day, July 11, speakers include Rob Krier, Denise Scott Brown, Arata Isozaki, Ken Livingstone, Clive Thornton, Alfred Wood, James Gowan, Rem Koolhaas and Kevin Rhowbotham. A satirical architectural revue is the highlight of the evening.

Activities on Saturday July 12 include visits to the Queen Elizabeth II Conference Centre, or a tour of 1930s cinemas.

The overall theme of the event

is "City Wise—complexity and contradiction in urban life". Details from RIBA Events, 01-580 5533.

Seventy free places at the conference are being offered to students and young architects by the RIBA Building Industry Trust.

One free place will be given to each UK architecture school last fourth-year prize.

In addition, 35 places will be awarded to qualified architects under 30.

They should write to the trust by June 26, giving reasons on no more than one side of A4 why they wish to attend and contribute to the debate.

Applications should be sent to the Trust Secretary, RIBA Building Industry Trust, 66 Portland Place, London W1R 4AD.

Disabled get backing

WANDSWORTH council is backing disabled groups in a fight to get lifts put into Clapham Junction.

Borough planners have taken up recommendations from Wandsworth Disabled Group and are to press British Rail to install "basic mechanical facilities for both disabled and able-bodied persons in the redevelopment and modernisation of the station".

BR has made no provisions for disabled people in the £1 million refurbishment of Britain's busiest station (News June 6).

Borough planner Peter Pendleton said: "We can only make a recommendation."

Lime Street replacement

HAMPTON Court's 270-year-old semi-circular avenue of limes in the great fountain garden is to be felled as precursor to the restoration of the formal landscape features originally planted in 1710.

Lord Elton, DoE minister responsible for heritage, told Commons it was "the only satisfactory way to conserve the form and function of this important avenue".

Some 60 trees have been lost in recent years, leading to patching up of the original, strongly uniform planting.

An exhibition on the proposals runs until the end of month at Hampton Court.

Infill



Atwell at large

Advice to the new minister

THE appointment of Nicholas Ridley as environment

Finally, and no doubt less to the minister's liking, is my suggestion that something should be done about capital receipts. It is said that some £6 billion is now tied up in capital receipts, largely from the sale of council housing, which is inaccessible to the local authorities concerned. It is an unpardonable intrusion into local democracy and freedom of action by councils if they are prevented from demonstrating the tan-

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Planning virility test

NICHOLAS Ridley is probably wishing he had never heard of the phrase "green belt", for of all the planning issues facing the new environment secretary, this is the one where whatever he does will be wrong, at least in the eyes of a substantial proportion of the electorate, and of the Conservative Party itself. Not that Mr Ridley is maladroit at dealing with such dilemmas—look at the way in which he brought Stansted airport into being after 20 years of debate, and managed to do it without fatally injuring his political reputation. But green belt is a rather different question

in all its forms, commercial, industrial, leisure, housing and so on. That industry has always tested itself against general planning policies by bringing forward specific cases and applying pressure first in one area, then in another if the first doesn't work—some might unkindly say like a hotel thief who, finding one door impassable, moves on to another. There is at least one advantage in this state of affairs, which is that an absolutely dogmatic refusal to allow any development beyond a given line is unlikely to succeed, nor should it.

The environment secretary's task is to hold a balance between the virtues of a rational and equitable planning system and the need for development. What, surely, Mr Ridley needs to do is to avoid giving approvals in green belt areas for general reasons, and concentrate on the specific benefits of proposals for particular locations which justify overriding the general presumption that development should not be allowed.

Thus, for example, the proposition

The Editor's Comment



that we should allow the Tillingham Hall "new town" in Essex because "we need more housing in the South-east" becomes an unconvincing argument. There is no shortage of sites in our urban areas, and there are plenty of examples of good housing developments in the inner city which attract a surfeit of buyers. Whatever the propaganda of the house-building lobby (liva in Inner London and you are certain to be nudged/raped/burgled etc), their general arguments do not justify specific developments of the sort proposed. On the other hand, if a development is absolutely appropriate then there may well be a case. Mr Ridley will have to draw the line between allowing individual cases and letting their volume negate the admirable concept of the green belt.

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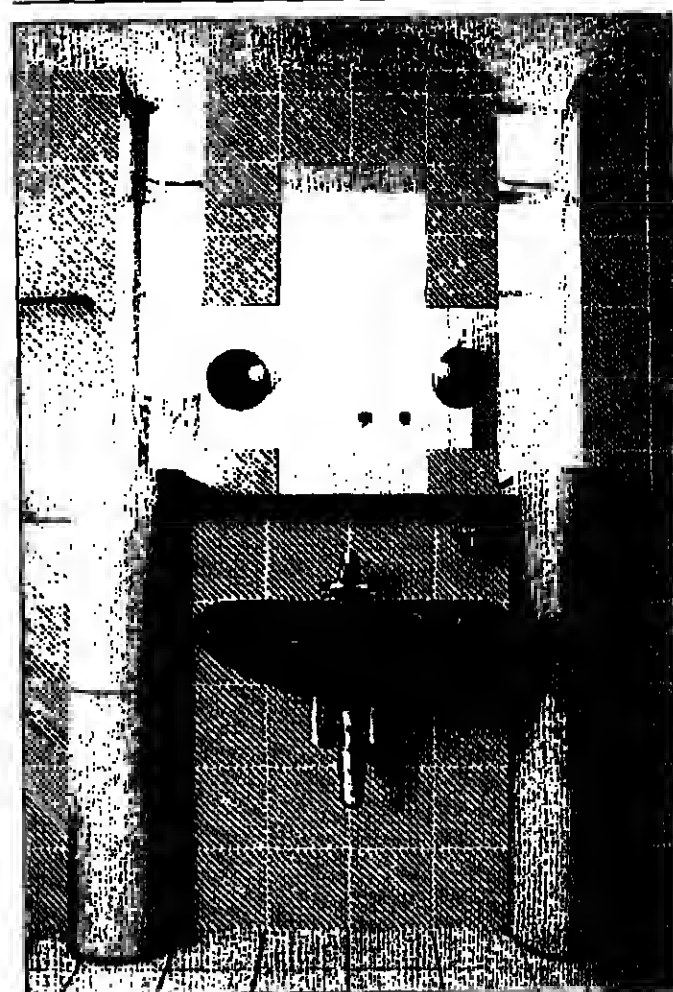
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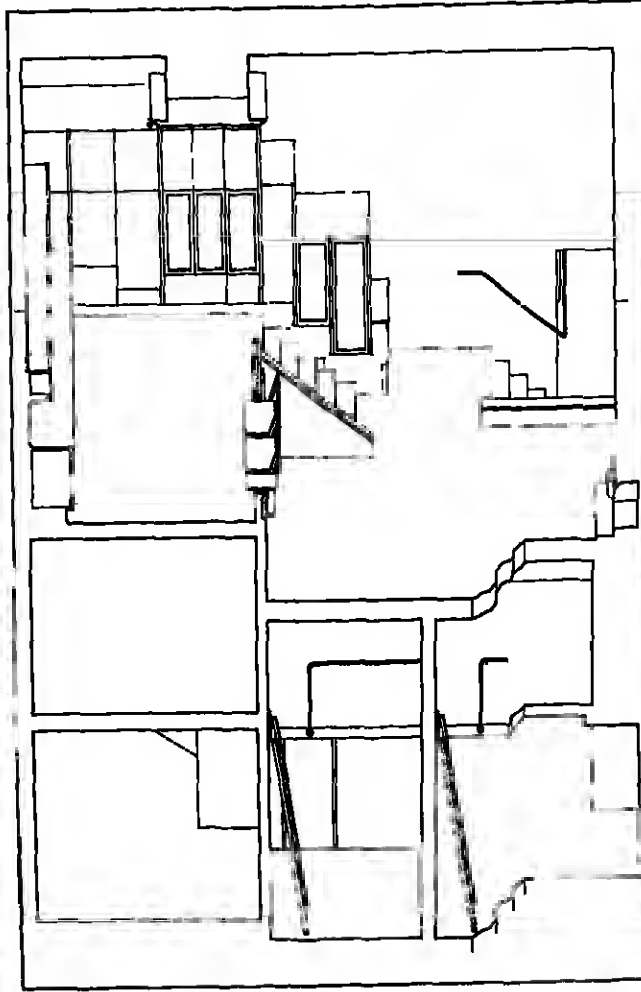
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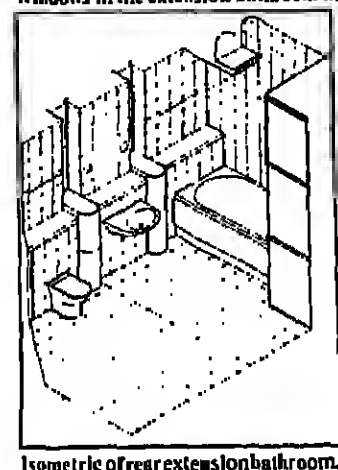
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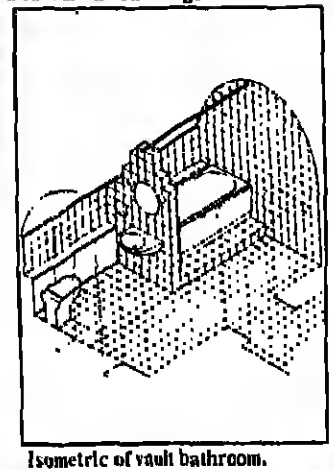
Windows in the extension bathroom are a rare elevation change.



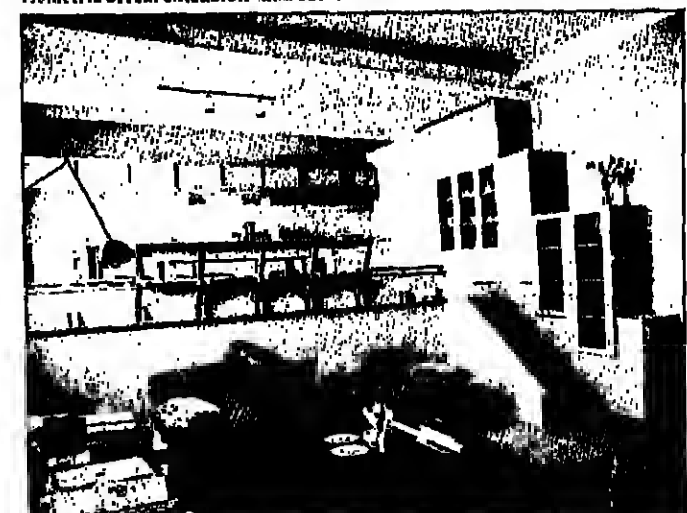
Lateral axonometric.



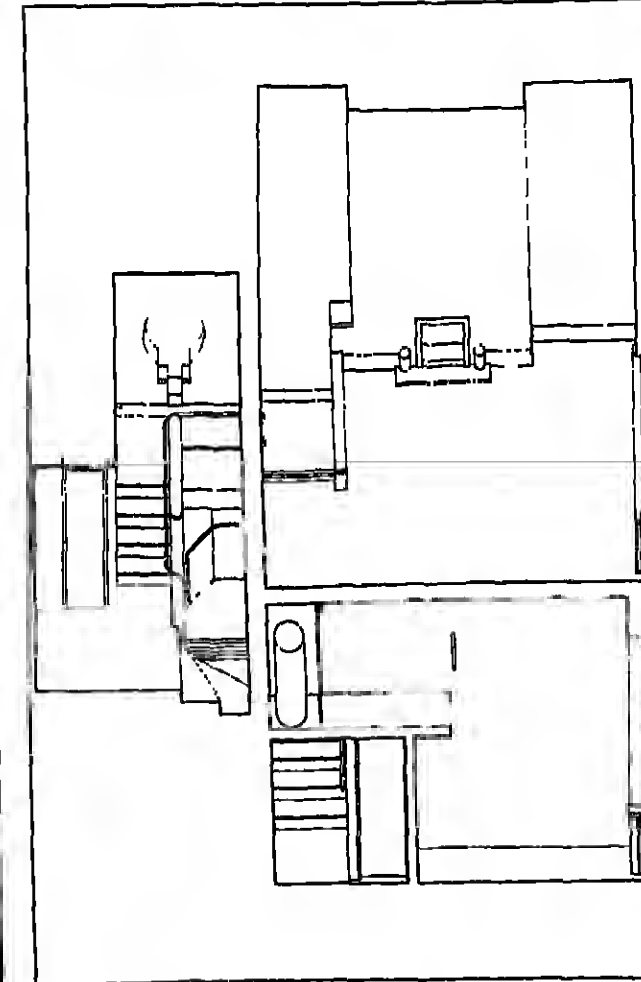
Isometric of extension bathroom.



Isometric of vault bathroom.



Joinery by Norwegian BIM Ellingsen relates the differing levels.



Partial longitudinal axonometric.



The freestanding partition avoids interrupting the flow of the vault.



The keyhole recess features at the ground to first-floor landing.

Circulation breakthrough

WHEN Forstater Productions bought 42A Devonshire Close in central London, it took on a ramshackle dwelling with no obvious circulation route. Architect Tom Kay was called in to sort it out.

Kay's brief was to transform the multi-level building into comfortable offices for the film production company and a flat for its main producer when he is not away on location.

The two-storey mews house sits behind the Georgian buildings of Portland Place and was probably built in the early 19th century. Its ground floor is about 3m above the Portland Place gardens and it was built with conventional 2.5m floor heights.

A back extension some 50 years later provided two 4m high rooms which lined up with the roofline of the original property. This gave rise to an unwieldy 30s conversion where bedrooms, bathroom, kitchen and living

room were all taller than their plans' dimensions. The ground floor was taken up with a large garage and reception room with a tortuous stair linking the extension. The first floor was left as a separate flat.

Kay planned to rationalise the interior spaces, taking out the awkward changes of level caused by extension and conversion. Initial plans included breaking through beneath the building to found stairs which would extend the full height of the property. But site excavations revealed that the film company had bought more than it knew, as two vaults were discovered under a 220mm wall which supported the original mews cottage. This presented Kay with the simpler option of building down through the crown of the larger vault, using the rest as a film store.

"The difficulty of the job," says Kay, "is that it was not obvious what one could do from the existing drawings. It was only when the old staircase was ripped out and we started building from the other corner that we could see a way round the incredibly awkward spaces."

The main entrance is through the mews into a light, airy reception which has been altered little. Unlike the rest of the house, which features a neutral grey carpet, the floor is made up of polished wooden blocks. This leads into the rear extension, with a new window overlooking the back courtyard, which is used as a secretarial office. Kay put in a new office floor to align it with the reception.

Kay has cut short the large garage to make room for cloakroom, toilet and the new stairwell. The stair doglegs back and forth across the original rear wall of the mews house, starting

at its base, winding up through the crown of the larger vault into the back of the garage and turning back and up to the living room. This complex system was needed to get under the mews first floor flat which was outside the site boundary. A spaghetti of pipework is hidden in a duct behind the back wall of the stair, with the left-over space formed into a keyhole recess at the upper landing.

The basement is taken up with three bedrooms, two of which double as offices for company staff. Kay has put in galleries to bring down the ceiling height of the extension rooms. The main bedroom leads into a single-storey bathroom in what, at one time, was the scullery. This room features Italian wall tiles with pink and purple diagonal stripes and ceramic floor tiles. Two narrow windows onto the courtyard and two bow-fronted

beech pillars flank the basin. Kay has designed a second bathroom in the smaller vault, which is within easy reach of the other bedrooms. The architect thought it prudent to avoid hanging fittings or pipework from the newly waterproofed vault surfaces. This constraint above the shower and basin prompted a freestanding partition in hand-painted tiles by James Symcock. The result is a striking stepped ochre and red screen which avoids interrupting the flow of the vault surface above, and is complemented by more ceramic floor tiles and elegant bathroom fittings.

Returning via the new staircase to the first floor, the architect has removed a third of the intermediate floor, inserting two new floors to provide rooms of a size more in keeping with their purpose. The first formed

the mews level office behind the reception and the second delineates the long, light kitchen and dining area next to the living room. The living, dining and kitchen area double as the producer's main offices. The living room is 4m high and leads up to the 2.5m kitchen. This change of level meant the architect had to contrive an increase in the dining area by cantilevering the table seating above the living room. This extension and the kitchen joinery clambering down the stairs integrate the differing roles of the two areas.

The whole project was completed after 15 months for £85,000.

Fiona Gorman

Architect: Tom Kay Associates
Client: Forstater Productions
Quantity surveyors: Brian Davies Associates
Structural engineers: Herbert Heller Services
Max Fordham & Partners
Contractors: Folks Construction
Joinery: Billy Ellingsen, Heiler
Water services: R D Buchanan

Scorpio

To Russia with love: Britain in the 1980s

FORGET Chernobyl — the "British architecture in the 80s" exhibition has arrived at the Union of Architects in Moscow, without fanfare from the Open University or RIBA which helped to stage it.

The work of 32 British practices — plus Charles Jencks — is on show, plus thematic sections by various contributors, including CAD, energy, the ABK National Gallery extension and Pahlmo tower, community architecture, conservation and new uses for old buildings (by our very own Ian Latham).

Another aspect of the links between our two nations which has so far gone completely unreported was the recent visit of Professor Yuri Sokolov, director of Russia's leading architectural school and centre for CPD, to some of our leading schools: the AA, Cambridge, the Bartlett, Central London and Kingston Poly.

As Sokolov remarked to Dr Catherine Cooke, OU lecturer in design and exhibition organiser: "With the publication on June 1 of our much-awaited Central Committee statement on the expansion and improvement of specialist higher education (my italics), this trip has become a significant turning point in our curriculum planning."

No doubt! UGC and RIBA please note.

New York's Koolhaas, and outsiders Ken Livingstone (again) and Clive Thornton — I fear what would have been the major draw could not make it.

Ada Louise Huxtable, former New York Times architecture critic, star of the recent and otherwise Jack-in-the-box "Architecture at the crossroads" TV series, was to have been the keynote speaker and worth the £100 fees in herself.

Instead, new environment secretary Nicholas Ridley will fill the breach and delegates can expect an extremely "dry" (as opposed to "wet") dribbling. The Bishop of Durham, David Jenkins (Lord help us) will reply. Perhaps this is why it is a "conference" again and not the ludicrous "convention" we were promised.

Mandatory genuflection

SURPRISE, surprise! Both this year's Herman Miller celebrity speakers at the RIBA last week — SDP leader David Owen and Observer editor Donald Treford — managed to slip in references to community architecture and the Prince of Wales.

Those who believe that a hawk has replaced a dove at Marsham Street, with the arrival of Nicholas Ridley, had their worst suspicions confirmed when Owen described the new environment secretary as "a fox in charge of a chicken run".

FACT: Ridley has been complaining about the amount of jargon in the building world. He asked a bemused official last week: "What does 'refurb' mean?"

Commission's bottom line

EVER thought of working for the Royal Fine Art Commission for Scotland?

The commission's recent recruitment ad in BD carried an unusually frank job description: "Overtime work is often necessary but is unpaid; there are no renewals expenses and the commission offers no career prospects."

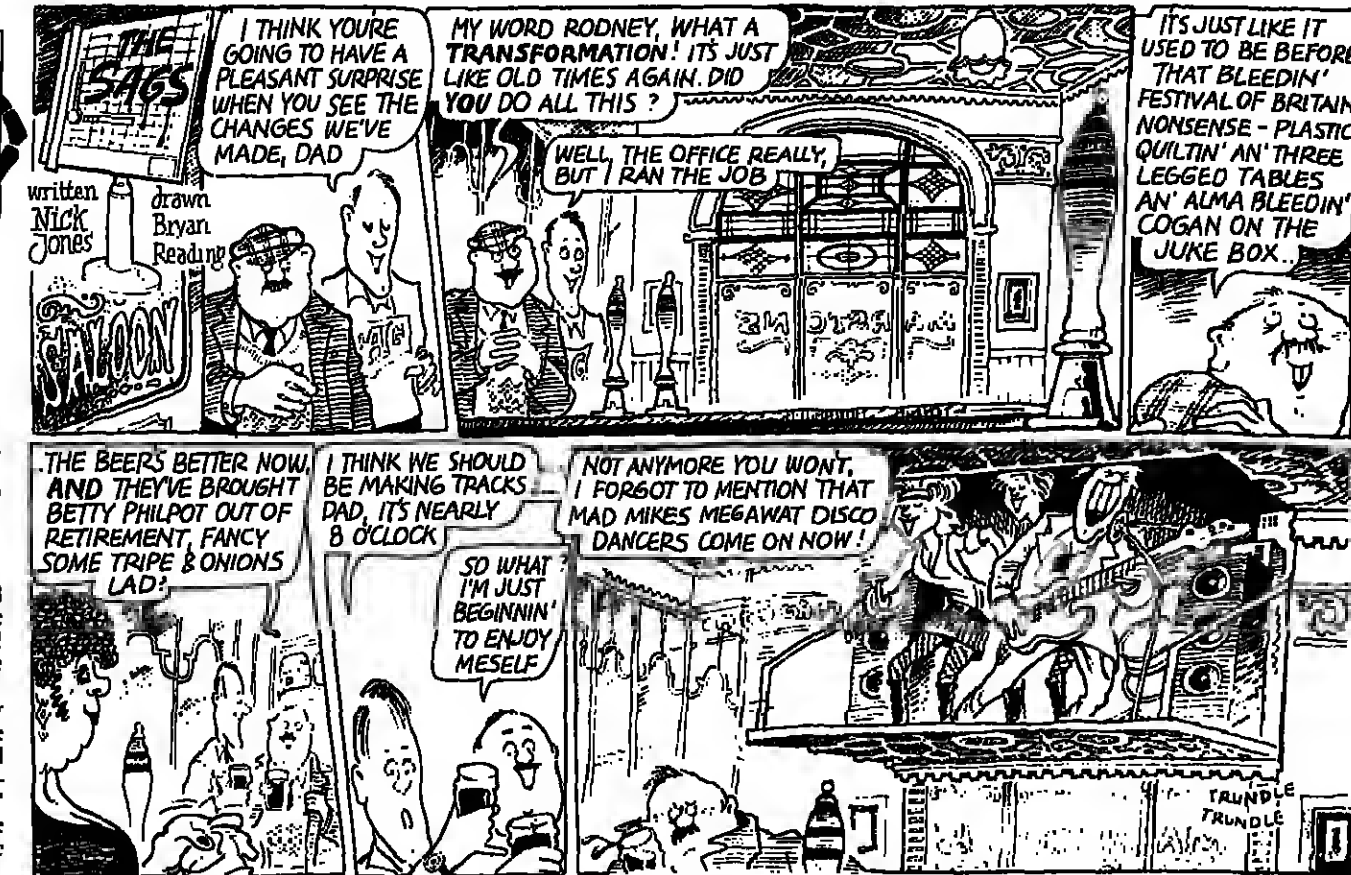
Moreover, eight salary scales from £9,010 to £11,395 are indicated, but "only exceptionally will the starting point be above the bottom". Still interested?

10 years ago

A 1,250-flat development in Leeds could be a major fire risk and structurally unsound.

This is the finding of an independent study into the eight-year-old Hunslet Grange estate carried out by RIBA councillor Sam Webb last week.

Tenants have been complaining of damp, cracks in walls and astronomical heating bills. Building Design, June 18, 1976.



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Landscape News

London councils save ecology unit

THE Greater London Council's ecology section is dead; long live the Greater London Ecology Unit. For out of the folly, waste and disorder of GLC abolition, some things of worth have been salvaged, and the small team led by chief ecologist Dr David Goode is one of them.

Because foxes, butterflies and the seeds of plants are no respecters of London's quaint and curious borough boundaries, it was always clear that the ecological element in planning had to be done on a London-wide basis.

Fortunately 20 or more of London's boroughs (predominantly Labour, but including Alliance Richmond and Tower Hamlets, and Tory Barnet and Croydon) have agreed to support and finance the unit's work. The Countryside Commission has chipped in with a gap-bridging grant of £35,000.

Details of the unit's survival were given at the London Ecology Centre reception to launch its latest publication,

Ecology Handbook No 4: A nature conservation strategy for London; woodland, wetland, the tidal Thames and two London boroughs.

This admirably clear, orderly and well-produced handbook is intended as a prototype for the coverage of the whole of Greater London.

The landscape profession is, of course, well plugged-in to ecology these days. Not so architects, complains Jake Brown, chairman of the RIBA's environmental education committee.

"I have the distinct impression that some of my colleagues regard it as a self-indulgent, fringe subject," he says.

Ecology Handbook No 4 is obtainable from the Greater London Ecology Unit (still at Room 435, County Hall, London SE1 7PE). It costs £4 plus p & p. Previous volumes, obtainable from the same address, are No 1: Ecology and nature conservation in London, price £1; No 2, A guide to habitat creation, price £2; and No 3, Nature conservation guidelines for London, costing (believe it or not) £3.

Park campaigners win victory over quarrying

THE campaign mounted by the 50-year-old Council for National Parks, the Countryside Commission and others to safeguard the landscapes of our 10 national parks from damaging development has won a notable victory.

On May 28 the environment secretary announced his dismissal of Tarmac Roadstone's appeal against the Peak Park planning authority's refusal to allow extension of limestone quarrying at Topley Pike, near King's Rhyndale.

Coming after the adverse government decision on the route of the Okehampton Bypass, Topley Pike does much to reassure defenders of national parks that the so-called "Silkin test" is not a dead letter. That is the name given to the criteria for

development in national parks offered as an undertaking in Parliament in 1947 by the then minister of town & country planning, Lewis Silkin.

He said development would only be allowed to intrude into national parks if it was essential in the national interest and

By Tony Aldous

could not be achieved elsewhere. If allowed, it must be subject to the most careful control of reinstatement and/or after-use.

The Silkin test did not stop an "improved" A66 going through the Lake District, even though a viable alternative route had been demonstrated to the north; nor did it stop the building of Trawsfynydd nuclear power station in the Snowdonia

national park. In both cases national park status arguably made the public agencies carrying out the development more willing to spend money and take pains to minimise the impact of the intruding developments.

In the case of Trawsfynydd, the skilful landscaping of Dame Sylvia Crowe achieved a remarkable degree of visual and ecological integration. But in the case of the A66, the justifiable pride of the Department of Transport's landscape architects in what is undoubtedly one of their best designed schemes has not satisfied conservationists.

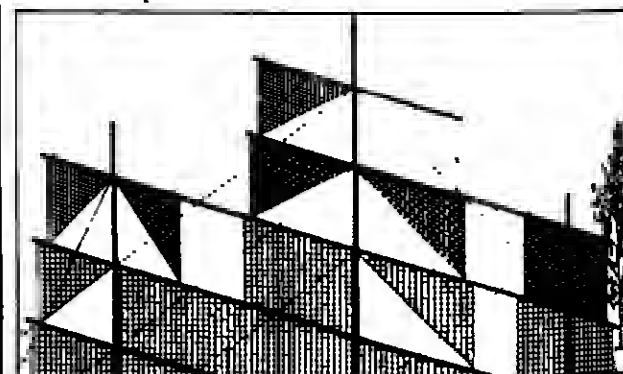
The Silkin test, however, comes under a different kind of pressure when it is a matter of whether to replace or renew an intrusive development which provides valuable employment. Snowdonia National Park is grappling with the prospect of Trawsfynydd power station needing to be "decommissioned" in the next decade or so. The station provides some 600

jobs directly and another 6 indirectly in an area where there is high unemployment. So it should be the national government's attitude to propose to build a new nuclear station: replacement?

So far it has not taken sides, either for or against. It has a national park officer, A. Jones, explored with generating board how best to accommodate such a development if it were to be approved. The national park committee would, for instance, prefer enlarged lake rather than the high cooling towers.

But it is not even entertaining the possibility of such a development being an implicit breach of the Silkin test.

Jones says local opinion is, or at least was, before Chernobyl — strongly in favour of replacement. He suggests that it may be a case in the present economic climate for adding rider to Silkin. It might add essential in the local interest the test.



Sail screens, Derek Lovejoy Associates.

Spectacular plan takes top spot in Glasgow show

AT last the Scottish Development Agency has issued the full results of the Glasgow Garden Festival landscape competition.

These, of course, confirm BD's exclusive of 11 weeks ago that Derek Lovejoy Associates had pulled off a hat-trick. Runner-up was Roy Winter, former Redditch new town landscape chief, who is now in private practice in Worcester-shire and was joined in his entry by one of three architects with whom he shares a studio, Gerald Farquhar. Third place went to Ian White Associates of Glasgow.

The winning DLA scheme's most spectacular feature is (as was plain from drawings in last week's BD) a series of "sail screens" 7 or 8 metres high, representing the sails of the square-rigged ships which in centuries past brought prosperity to Glasgow. Their lower sections are to be of trellis-work on which plants can be trained; the upper parts of wind-deflecting netting.

The second main element of the design, says DLA partner Will Williams, looks forward rather than back. The pattern of paths within the competition area is that of oil pipes, lengths of path alternating with wide circular spaces representing valves.

The third element is a canal running south-east/north-west

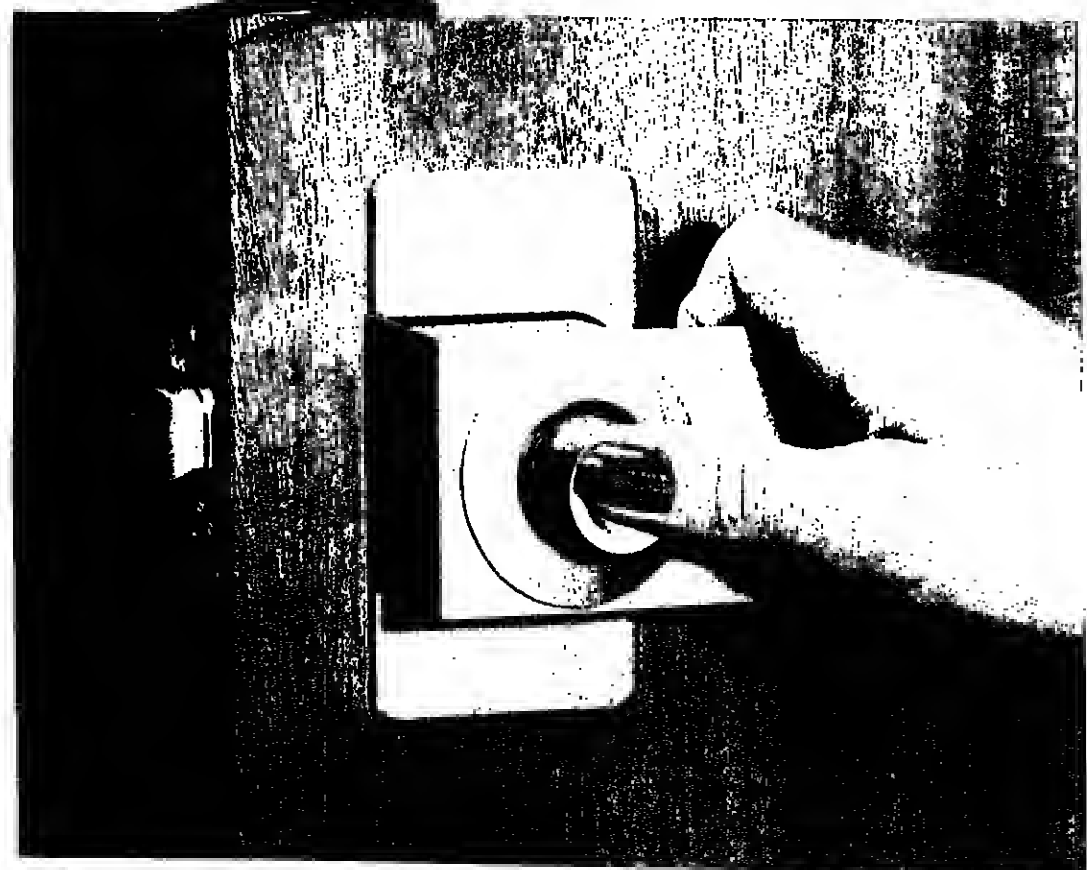
along the site. At its western end is the events area, a large expanse of paving shaped like a snip of Scotland.

As it approaches Scotland's west coast, the canal broadens and is broken up by "islands" close enough for visitors to hop from one to another. The water area will be higher than in the past with cascades dropping into it. At its other end the canal points to the viewing area which Williams says he hopes "a question mark over the map of Scotland".

The runner-up design by Winter & Farquhar is an ocean-going 11-metre focalle, bridge, main promenade deck. Out of project "funnels" house features as dioramas, displays. Suspended "decks" are netted and intended to give shelter from Clyde winds and (optionally) filter strong sunlight.

Ian White Associates' placed scheme seeks to give flavour of different parts of Scotland. It, too, has a pointing towards the tower; it also makes provision for narrow-boats. There is a giving shelter and a central and among other features those representing various of water, including hydro-electric power.

A TOUCH OF CLASS



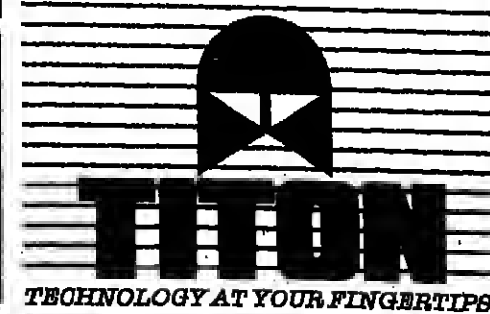
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Profile

CITY SEGMENTS

The complex and exciting projects of Portuguese architect Alvaro Siza are at last beginning to receive international attention. Yehuda Safran visited the new Borges & Irmao bank at Vila do Conde.

PERHAPS the finest moment in human existence is the ability to imagine and formulate either with the unaided mind or with the rudimentarily equipped hand that which can only be realised through the toil of hundreds of men over a space of years.

In the context of the developing landscape of Portugal, Siza's sketchbook is already a legend. An authority is evident in the pages of this inexpensive "zettel" that one would normally associate with a post-factum architectural drawing. Each page is stamped with the mark of time now and always, though in action.

The recently completed building of the bank in Vila do

Conde is no doubt one of Siza's finest achievements. It is another station on the journey which he began some 30 years ago, with the Boa Nova Tea House in the neighbourhood of Oporto. Inspired as he was then by the architecture of Alvaro Siza, Siza is now establishing his own work on the same level of complexity and contradiction.

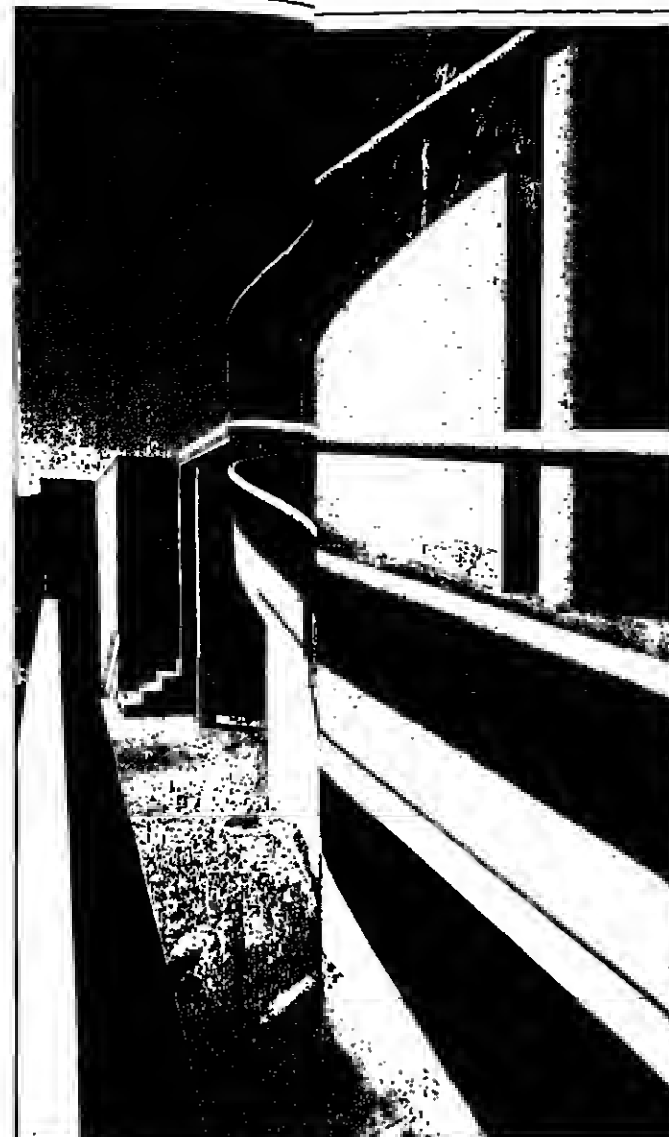
Defying easy categorisation, Siza succeeds in maintaining a dialogue between discrete elements in a constant process of dissolution and reconstitution. He creates an ensemble, a togetherness without which these separate elements could not be perceived.

Relatively autonomous, with its almond-shaped plan — a "curved parallelogram" — the bank in Vila do Conde is

situated on the western fringes of the Continent. It presents itself as a succession of virtual spaces juxtaposed with layers of materials, as though one could peel away one layer to make the other appear and vice versa. In addition, the segmented character of the building intimates a composition and final form achieved thanks to a respect for each and every separate element in its material and conceptual existence. Every element is first acknowledged for being itself before and after its existence in a larger ensemble.

Siza's work is informed by a rich tapestry of time and place that resists categorisation. In the simultaneity of existence his buildings correspond with an apprehension of the meeting point of timelessness and time.

When I asked Siza what was missing from the writing on his work already in existence, he left me this note in reply: "The place where I draw and where I work on my projects is both my home and my exile. Thus the influences I receive come from the air I breathe and nevertheless



Shifting planes at upper level. (By architect Luis Carvalho Gomes.)



Principal public staircase faced in marble.

they determine the possibility of a contrary position. I am more interested in branches than in roots, in the way they descend to the roots and how they transform and depend on the roots. I am not, therefore, eclectic. The thread which links up my work is a resistance, not very visible and not rectilinear."

Notwithstanding the shadows in the cave, Siza's continuous search for clarity responds to contingencies and at the same time transcends them.

Sympathetic to its site the bank is never mimetic. On the contrary, the relative autonomy of its intervention creates a conjunction of motifs that have developed over several years. These may be seen regrouped in very different locations in different ambiances, serving other functions. The bank in Vila do Conde becomes nonetheless welded to its location and succeeds in reproducing the skill of craftsmen in the repetition of details and joinery that make the larger compositions possible. The building thus becomes a motif in itself that may be seen in

another version in The Hague.

The symmetry of sinuous curves which constitute this complexity can be equalled only by the head of a woman seen full face and in profile in Siza's notebooks. A series of staggered horizontal planes provide Siza not only with a floor below ground level but a series of steps and landings which spiral from the west elevation into the building, through the first floor and out again. These horizontal planes trace a staggered movement from west to east, moving at the same time from below to above. Piercing the transparent glass cladding of the building like light itself, these planes emphasise the membranous quality of the vertical walls.

Siza reaffirms the authority of each element as the carver

respects each block of stone. The pillars and layers of the marble interior reflect the internal architectural movement and relate to the wall as the wall relates to the building externally. With this play of fixity and the fragile in its own materials, the Conde bank mediates between the transience of our own existence and the hills and rivers of the Portuguese landscape.

The bank in Vila do Conde certainly responds to the city but draws its inspiration from nothing that is found in the existing fabric of the city. Vila do Conde is a provincial centre, the seat of local government. It has a small shipyard characterised by an extraordinarily antiquated mode of production. Fishing

continued page 18



Staircase and ceiling detail.

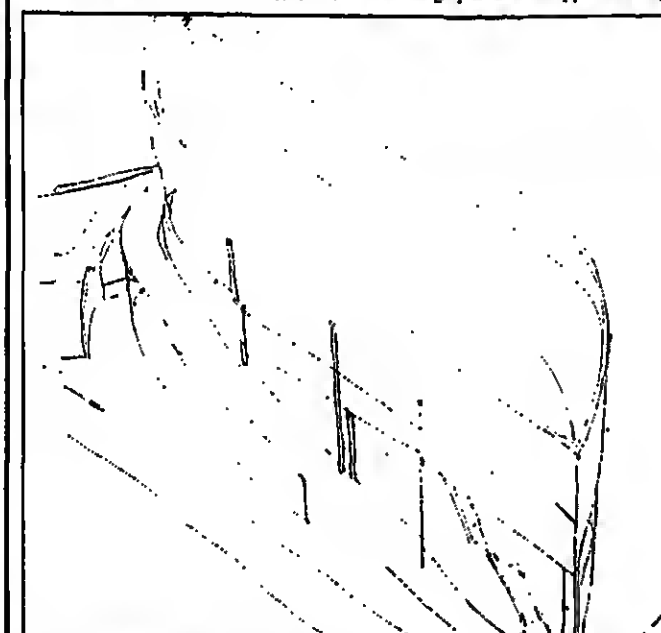


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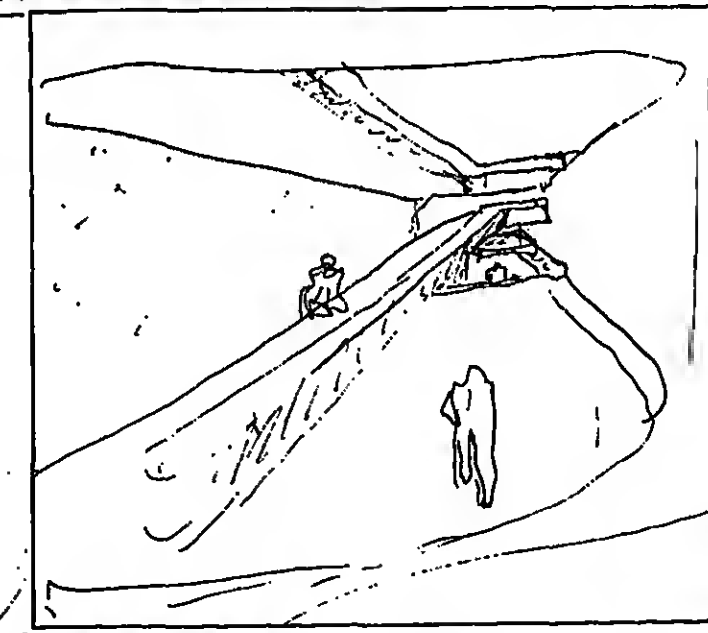
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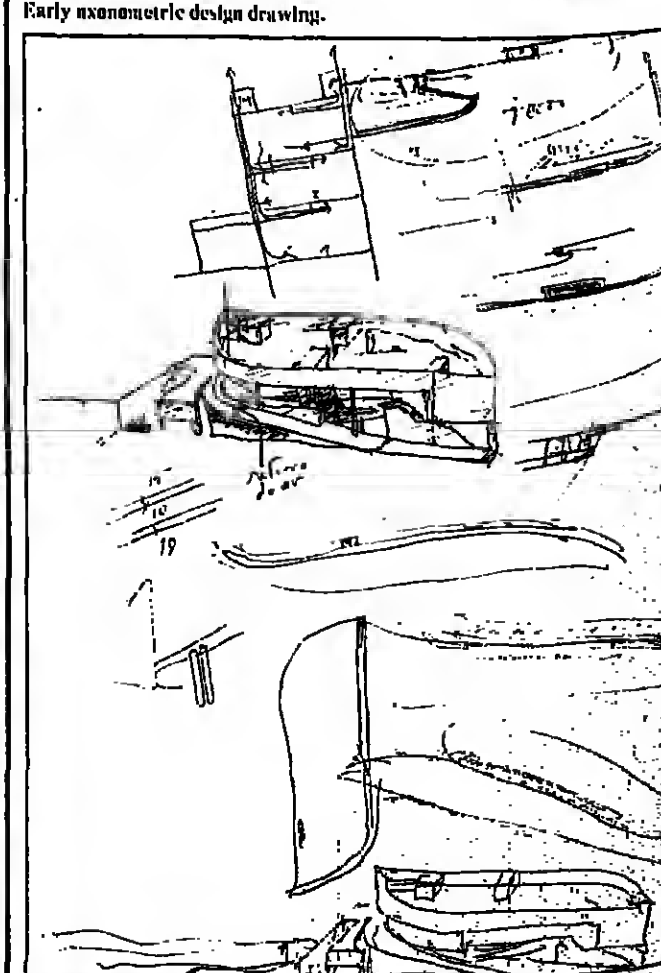
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Early axonometric design drawing.



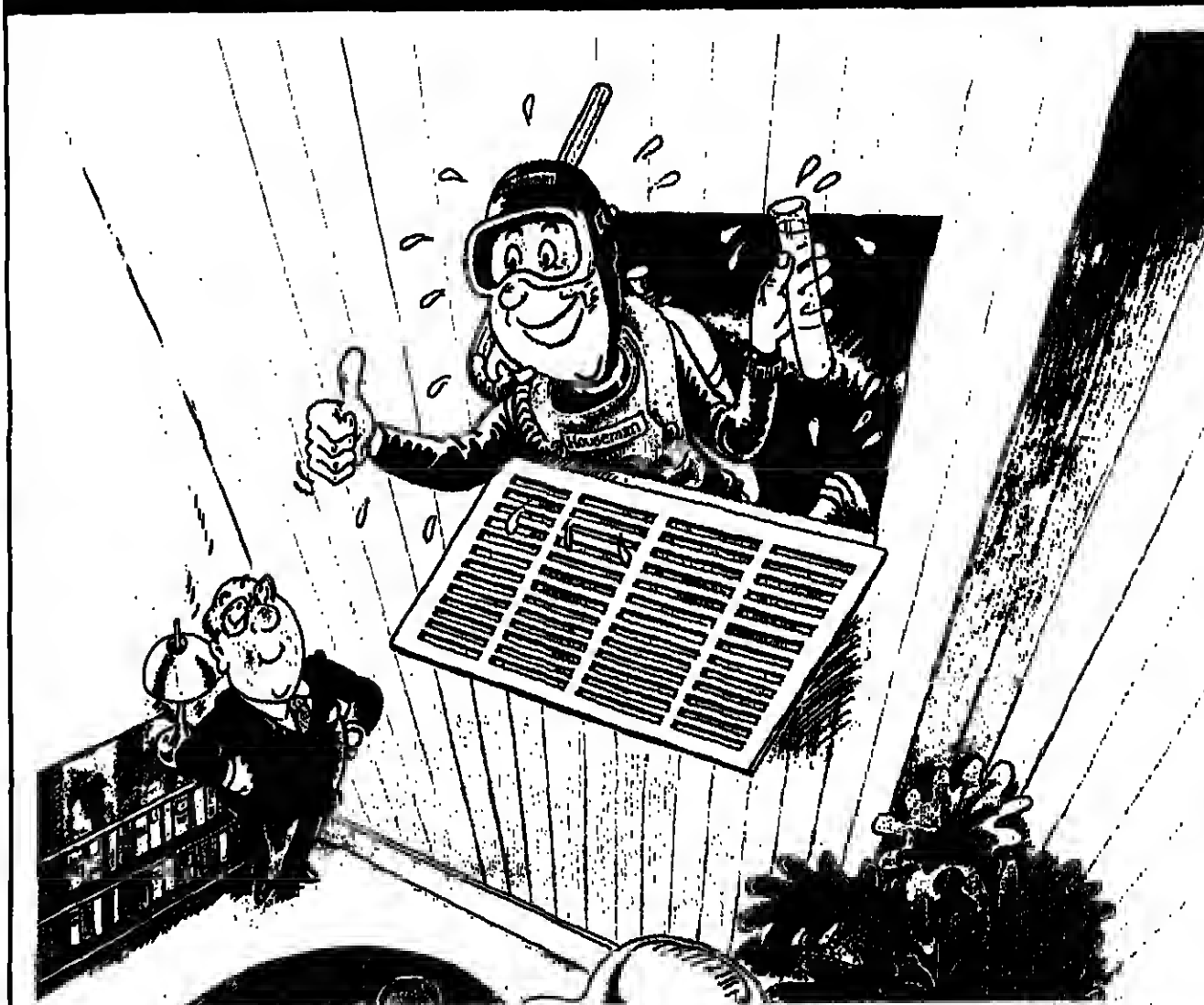
Interior perspective sketch.



Preliminary sketch of the bank.



Life studies with the bank.



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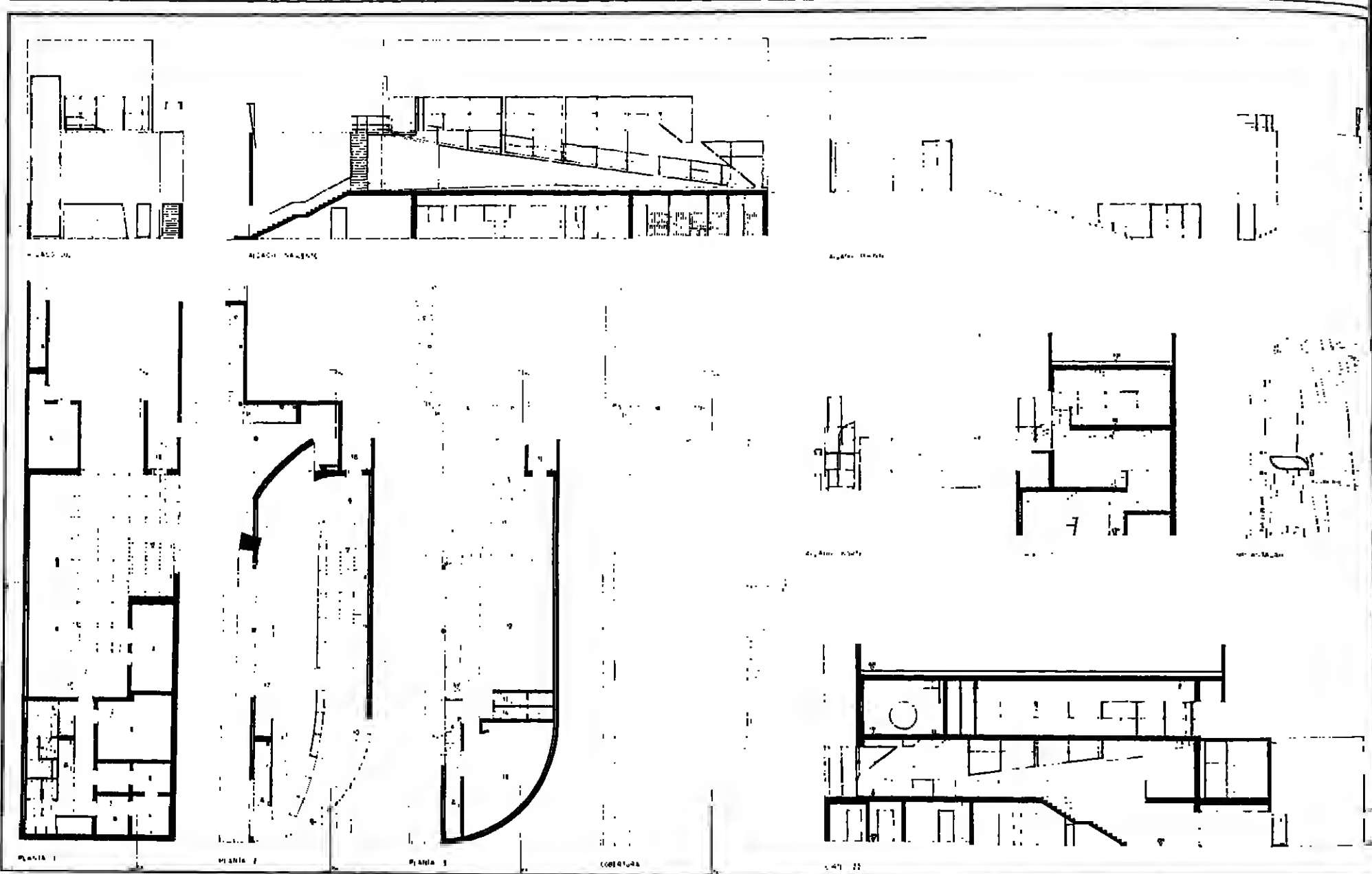
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Profile



City segments

from page 17
boards are made of local wood, carved and fitted on the riverside in a manner which has hardly changed in the past 300 years. The previous bank reflected the situation of this relatively simple economy; the new bank reflects the optimism of a society slowly waking from its colonial slumbers.

Siza postulates not what the city and its bank are, but what they could be. He wrote: "No place is a desert: I can always be one of its inhabitants. A site is valued for what it is and for what it can or is to be — two things which are perhaps opposite but never unrelated."

Following the Second World War, Portugal, unlike the rest of Europe, did not have a period of reconstruction in the same sense that this term acquired elsewhere. Portugal was devastated not by war but by its own political order which inflicted institutionalised neglect. The iron grip of dictatorship did indeed restore a stable monetary system, but was consistently unable to generate wealth or

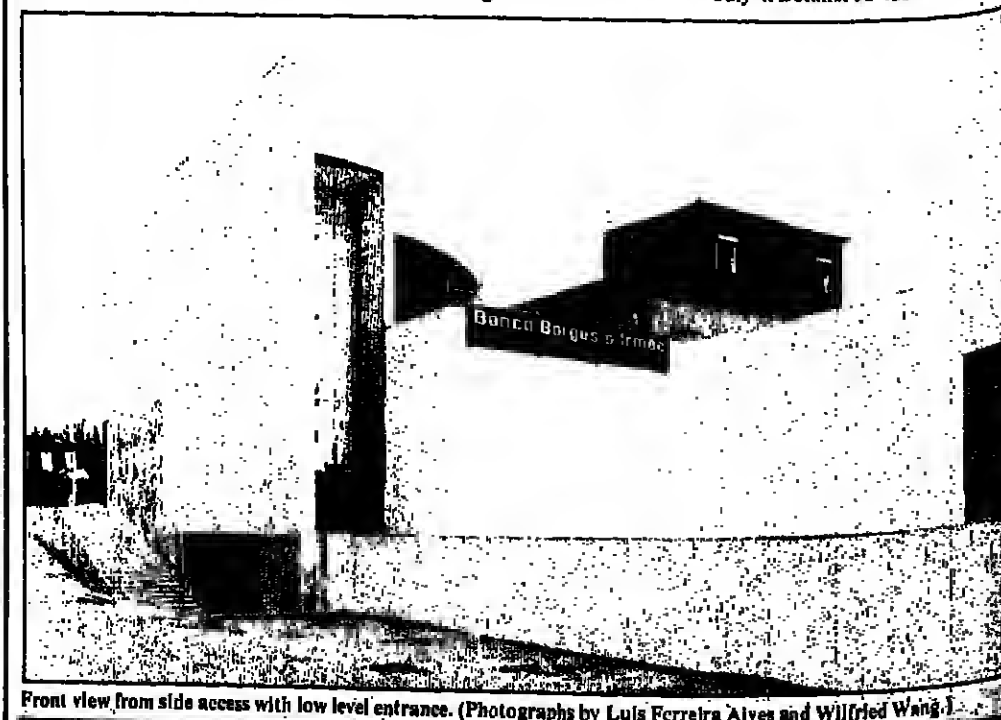
increase the country's productive capacities.

Siza's work is rooted not in a regional tradition at large so much as in the tradition which has recently become known as the "Oporto school": a school with its teachers and following, with its own reference points. From this school Siza's mentor, Tavora, secured him his first commission at the age of 21: the Bon Nova Tea House (1958-1963). Exemplary in its successful assimilation of Aalto's oeuvre, it also established vital contact with local craftsmanship. Siza's unusual pre-occupation with the proportion of the visible set against an invisible geometry is also found in the series of swimming pools which followed the Tea House. Gradually this became a form of "built criticism", employing alternative strains in order to renew or reform intrinsic values and meanings.

Siza's work, then, may be viewed as a series of formal, material and climatic elements, together with cultural inclinations. These seem to be re-negotiated at every junction. Transformations lead from the dissolution of inherent structures and applied procedures to a new synthesis linked to a recent European past.

Although "no part is independent", his works have little to do with the aesthetics of unended constructions or with the belief in open work. They are connected rather with the un-nerving possibility of the unfinished, with the obstacles which "I do not manage to overcome".

An exhibition of drawings, sketches and photographs of the Vila do Conde bank and the flats at Schleissheim in Berlin is at the 9th Gallery, 46-48 Cramer Street, London W1, until July 4. Details: 01-486 3555.



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Exhibitions

IT is difficult not to be captivated by the visual splendour of both the setting and the material which this exhibition offers.

Both the severe brick walls of the Curia (the old Roman courthouse between Cortona's San Luca & Martina and the Basilica Emilia's ruins in the Foro Romano) and the airy rooms at the French Academy, looking on one side onto one of the finest Renaissance gardens of Rome and on the other onto the Spanish Steps, seemed to annihilate time and space.

At the Curia westward on more or less the same space drawn in the exhibits, where at times one had the uncanny feeling of being presented with a Disney-like representation of the surrounding past, while at Villa Medici we trod the same floors the pensionnaires did during their studies.

Moreover, the graphic exhibits are unlike any which the contemporary fashionable architectural drawings have accustomed us to. The drawings are superbly crafted; colouring techniques and rendering having been perfected before the architects arrived in Rome, at the yearly competitions which the Beaux Arts didactic system required and during the gruel-

Tha Ecola des Baux Arts in Paris is hosting an exhibition of drawings of ancient Roma carried out by French architects between 1788 and 1924. Micha Bandini saw the show in its original setting at the Curia and Villa Medici in Rome.

ling process of selection which required of the recipient of the coveted Prix de Rome as much physical stamina as it did technical and compositional ability.

Nail Levine, in his exhaustive article on *The competition for the Grand Prix in 1824: a case study in architectural education in the Ecole des Beaux-Arts in the 19th century* (Thames and Hudson 1982) described both this process and the expected social background of pensionnaires when he wrote: "...the Ecole des Beaux-Arts was the training ground for France's architectural civil service, and the winners of the Grand Prix were primed to fill the top bureaucratic positions. Throughout most of the century they averaged between 25% and

27 years of age. After five years of further study in Italy, under the guidance of the Académie, they returned to Paris to begin careers in government service. Most of the professors at the Ecole and most of the teachers of important ateliers were drawn from their ranks. Most important buildings in Paris or the provinces were entrusted to this elite corps of designers, as for example, were the Paris Opera, the Central Markets (Les Halles), the Bibliothèque Nationale, the Palais de Justice, La Trinité, the Petit Palais, the Sorbonne, as well as the Galerie des Machines."

While this elite group was in Paris already provided with very good didactic material (the Ecole possessed a collection of architectural models and ample bibliographic sources) it was at

the academy in Rome that they found the best working conditions: the most relevant library, an archaeological course and the possibility of taking part in excavations.

But it was on this archaeological emphasis which much of the polemic and many of the pensionnaires were to focus upon. While there was no shortage of unstudied Classical subjects for the first years and while there was an equal balance of expertise between the architects and archaeologists (with the former seeing themselves in possession of the key of knowledge through their graphic abilities to transmit the state of the monument), by the time most of the interesting monuments of the Classical period had been studied, the archaeologists were abandoning their

antiquarian outlook, in order to become more scientifically specialised and thus more threatening.

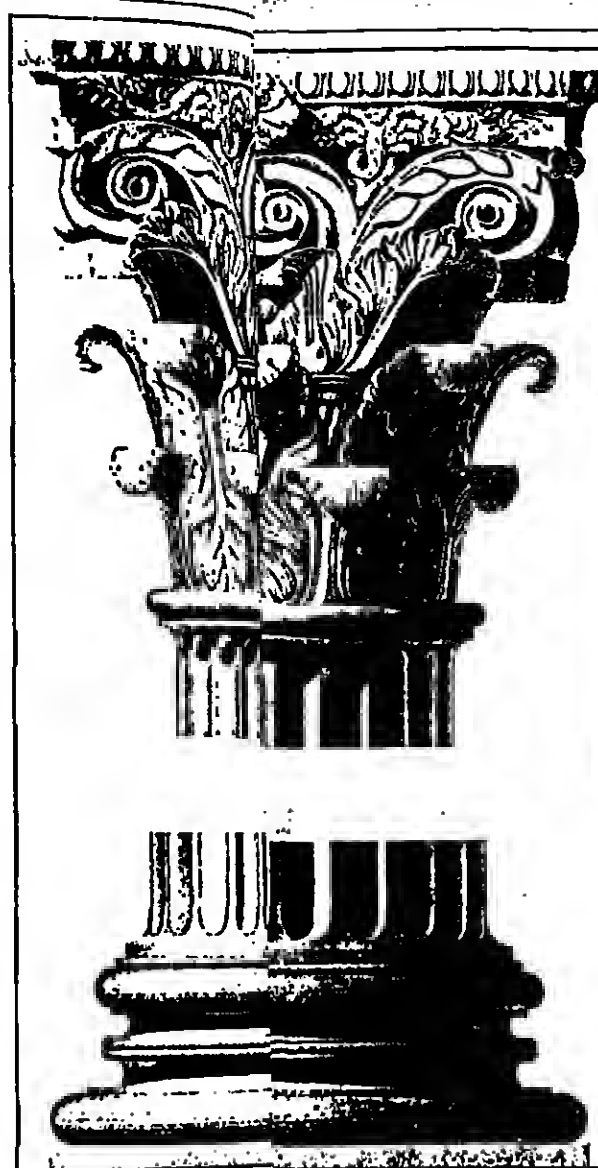
Some of the pensionnaires' envois clearly reflect these difficulties. M.C. Moyaux's is the first to feel uneasy about his subject when writing the report accompanying the drawings for the Tabularium and the surrounding monuments. There, in order to justify his personal stylistic reconstruction, he laments the lack of scientific expertise among the specialists — a very similar argument to the one used by Julien Guadet both in the report for his envoi and later on, when as a professor of architectural theory at L'Ecole des Beaux Arts he said: "Archaeology, this is the enemy!"

Notwithstanding these polemical stands, which started arising only after the second part of the 18th century, for about two centuries the major talent of formation of that professional elite Levine was referring to remained the studying of ancient Roman monuments, the drawing of their condition and the rendering of their hypothetical reconstruction, which the pensionnaires backed up by the scientific evidence presented in the accompanying report.

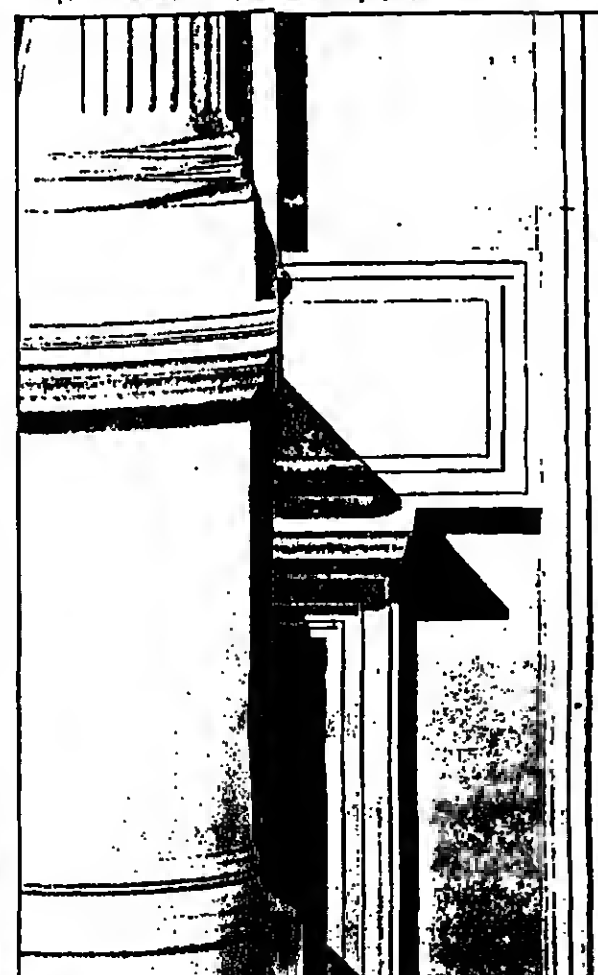
The years at the academy were also spent in elaborating some of the architectural theories which played such a large part in the symbolic needs of the building programme of the French government. Such theories were to be derived from studies of ancient monuments, which is not surprising in view of a tradition which considered that, since the 15th century, every elevated young man aspiring to be cultured should travel to Italy and Greece, as should artists who needed to learn from primary evidence the sources of their tradition. This was the reason the French Academy was founded in Rome in 1663. This was the reason the recipient of the award could spend years studying the Antique and reading and verifying archaeological sources. This was the laboratory that was to provide what was to be thought about or built in France later on.

It is a pity that the otherwise well-produced publication accompanying the exhibition does not open up this aspect, nor does it indicate the relationship between the work conducted for the envois within this geographical area with that of those studying monuments of other areas. If it did we would have been able to compare the envoi

TREATISE OF ROME



Temple of Castor, 1816, by Jules-François Sully (1783-1861).



Details from the Arch of Titus, by A.J.M. Guadet.



Details from the Arch of Titus by A.J.M. Guadet.

of Henry Labrousse, (missing from this collection presumably because he studied Paestum, not Rome), with that of Louis-Joseph Duc and Leon Vaudoyer, here present, who, with Duban, formed that group of romantic radicals who questioned the appropriateness of an uncritical transferring of Classical orders to France and further, using a more scientific basis, that polemic for Classical polyhromy which Hickoff developed in his book *L'Architecture Polyhromique* (Chesles Grece).

Duc's envoi, spectacularly placed at the centre of the Villa Medici's section, was one of the most ambitious both for the choice of the theme and for the quantity and quality of the drawings prepared. So much so that the examiners, usually very strict with time's requirements, did not penalise him for either finishing late or for the lack of a report. Duc having chosen to include instead the booklet accompanying Luc-Angeli's model of the Colosseum already owned by l'Ecole in Paris.

Duc's analysis, based on the geometrical rules of projective geometry, allows him to decompose the building into its primary compositional elements, thus constructing a theoretical inductive hypothesis of their assemblage. From this the reconstruction starts by composing the building again as if it were made by serial parts.

The implications of this method are more important than the mere satisfaction of bureaucratic requirements for they constitute a cultural statement which on one hand implicitly validates those experiments in conservation which reconstruct the building, and on the other open the way to the use of models and archetypal forms in Classical architecture.

Duc's professional career shows the same careful manipulation of formal elements. The capital for La Colonne de Juillet, a monument erected in Paris to commemorate the victims of the revolution of 1830, becomes one of the romantic reassessments of the Classical past, while the restoration and enlargement of the Paris Palais de Justice, a building which had to satisfy two stern critics, Viollet le Duc and Napoleon III, was proclaimed as the best building designed under Napoleon's reign.

The envoi of Duc's friend Leon Vaudoyer, second in a dynasty of four architects, the

Exhibitions



Reconstruction of monuments of the Campidoglio, by A.N. Normand.

This, then, is what was disappointed in the work of Leveillé, Normand and Guadet. Their reconstructions of the Forums focused on subjects that the current taste considered decadent and being based on less evidence than customary, leaving personal interpretation to take over.

The years which separate Vaudoyer's envoi from that of Evell (1836), Normand (1850) and Guadet (1867) are the ones in which that change of attitude on the relationship between architects and archaeologists takes place, which can be seen in the change in the appearance of the envois.

Normand's gouaches appear more vividly coloured than those of the previous generation, his use of chiaroscuro more impressionistic (any connection

professor of design in 1924, chose the centre of Rome for the seventh in the eleventh century as topic of study, a reasonably safe one, which by then had been accurately investigated by the archaeologists.

But by then the ritual of the envois had become just a formality and while one enjoys the colouring ability of Carlu one can't help feeling that one is being presented with a cartoon for a Cecil B. De Mille set rather than a scientific study of those Classical models which were to form the urban structure of France for more than two centuries.

This is also the value of this exhibition. Not only does it present an accurate record of the state of archaeological excavations, some of which were irredeemably altered afterwards, but also it shows the changing attitudes towards the authority of tradition and history with respect to contemporary design. Thus the exhibition should be seen as the beautiful testimony of a cultural sensibility as much as the faithful witness of scientific knowledge.

"Roma Antiqua" is at the Ecole Nationale des Beaux-Arts, Paris, until July 13.



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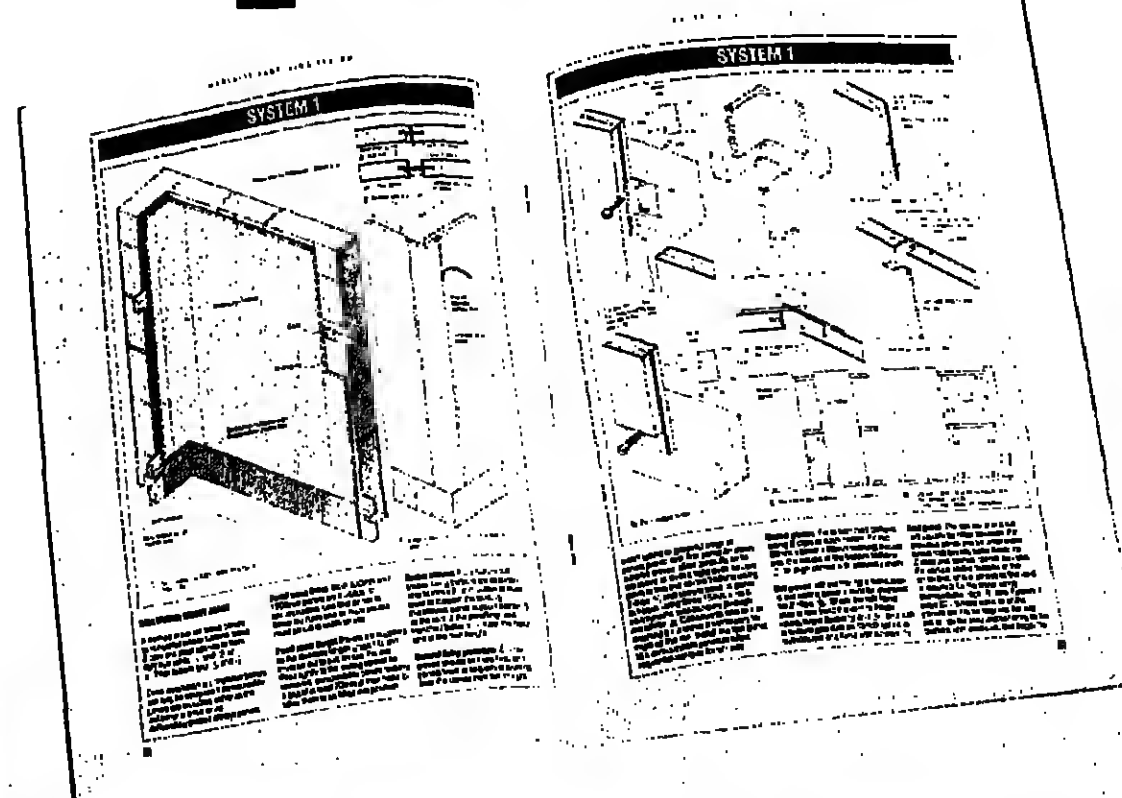
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Architect preview

The second Architect exhibition takes place in London's Barbican Centre next week, June 25-27. Here we preview the show with an article by Mike Franks on the slow progress of architects moving into the property world. On the

PROPERTY AND ARCHITECTURE

following pages we show some of the work of architectural practices who are represented at the exhibition. Architect is taking place in conjunction with the Property & Construction Management Exhibition.

PLANNING law defines development as "the material change in the use or appearance of land". Broadly speaking this makes most people "developers" — sooner or later.

I much prefer this broad definition to the much more selective meaning that seems to prevail. The mystique surrounding this most ordinary of subjects has created armed camps with crude and simplistic notions of their opponents' work. The collapse of the property market in 1973-74 owed much to this naive division and the opposition to "developers" still makes for easy slogans in the mouths of community groups and their professional advocates.

I would be the last person to applaud much of the work of property speculators, but even the concept of speculation needs much more careful examination.

In the last decade, the need to adapt rapidly to changing circumstances has caused more people to move across the great divide between reactive and proactive response to urban change. At present, much of the community initiative in this field comes from those who have already cut their teeth on housing schemes and now see the need to be involved in employment-creating development.

This changing focus is a reflection of local authority priorities and the emergence of new spending departments — principally industrial development. City and metropolitan county authorities have sponsored new initiatives which bring new partners into the development process. Architects have played a role in this but in most cases, serious misconceptions about the nature of risk-taking distort their work. The public sector is notoriously bad at negotiations involving combinations of money at risk and social or aesthetic purpose. The architectural and planning professions seem to reflect this weakness.

My hackles rise when I enter the RIBA and there is a profound feeling of betrayal. Why are the profession that I trained for and the skills I most value held in such little esteem by the public at large? Is it because the architectural profession has somehow detached itself from the basic priorities of the real world? Why does the ability to contribute so much to the human environment turn into such a narrow concern for physical form and a rather unworldly view of the everyday issues of trade and exchange?

With so many unresolved questions, it is not surprising that architects are somewhat ambiguous when it comes to their involvement in "development". Maybe this is unfair. In trying to reconcile two seemingly opposing factors — economic considerations and quality — members of the profession may be addressing vital issues that others prefer to ignore. Whatever the explanation, there must be better ways in which to address the question of development than the way the RIBA goes about it.

The RIBA showed its lack of perception in this important field at its recent conference entitled "The architect as developer", particularly in the paper commissioned from a student by the conference fund which was truly appalling and mercifully was ignored by the delegates.

Something on the City

THE Architect organisers are planning a series of seminars, one on each of the three days of the exhibition. The theme places special emphasis on issues relating to the proposed development of Canary Wharf and other opportunities in Docklands, comments on the Big Bang in the City due this autumn, and discusses the new City plan.

Canary Wharf, possibly the largest single development proposed in Britain, has had a strikingly short gestation period and already enjoys the full backing of the London Docklands Development Corporation, an authority freed from many of the planning restrictions which can hamper developments in other parts of the country.

The first seminar, on June 25, is entitled "Property and the communications revolution: will the Canary fly?" where issues relating to Canary Wharf will be discussed. Speakers at the seminar are: Andrew Derbyshire of RMJM, who is chairman of the LDDC planning

committee; and Scott Lawry, a director of the Canary Wharf Development Company. Last December the City of London unveiled its new plan for the pattern of development in the City of London for the next 10 years.

But why is the plan so radically different from an earlier draft? The change of heart, which will allow substantially more commercial development in the Square Mile to the inevitable dismay of conservationist interests, is the proposed development in the Docklands which looks set to dwarf the City, both physically and commercially.

David Hall, LDDC property director, and Tony Grant of surveyors Grant & Partners, will be speaking at the second seminar on June 26. Entitled "Docklands — opportunity knocks", the seminar will discuss the latest trends and opportunities.

The Big Bang due this autumn, which removes many of the restrictions on how the City operates and is designed to consolidate

London's position as one of the world's three financial centres, has been the catalyst for much of the development activity in London.

The anticipated increase in demand for office space is more than the City can accommodate at present. On plot ratios and the complicated system by which City densities are decided, there will be a considerable rationalisation which will significantly increase potential for expansion of office space in response to demand.

"The City — new future, new plan" is the third seminar, on June 27, which will look at the development opportunities in different parts of the City. The speaker is Peter Wynne Rees, controller of planning for the City of London.

All three seminars will be chaired by Pete Murray, publisher of *Blueprint*, and take place at 12.30pm. They are by invitation only. If you would like to attend, contact Jackie Hart, Marketeer, 01-749 9531.

The speakers covered a limited sector in the spectrum of roles for architects in development and self-promotion in structure people's thinking. Taking the six papers and case studies, only developer Ron Spinney and Rod Hackney stimulated further thinking.

If the latter is really a developer on the scale his presentation implied, he could be a very rich man. Maybe the money stays in his companies and instead of declaring dividends he expands his empire and increases his power. Who knows? Certainly not those who listened to his masterpiece of partial information. A company search on his companies would be most instructive.

The three individual architects who talked about their work were worthy enough, but could have been any of dozens of not hundreds of cases. Architects have extended their role while setting up new accommodation for themselves or have involved their firms somewhat at the margin in risk-taking speculation and, finding it can bring a profit, have created a rolling fund to do more.

Spinney gave a good paper and appeared to hold the genuine, if unusual, conviction that good design helps to increase value. His emphasis on land economic considerations must have passed over most of the audience's heads, as did Charles Brocklehurst's somewhat colourless residual value calculations — not the best advertisement for the follow up to the Financial Institutions Group, the wrongly named and under-achieving Inner City Enterprises.

There was a real divide between the architects and the surveyors on the panel, just as there is between the RIBA and the RICS, notwithstanding their common interest in development. Unfortunately for the architects, the surveyors seem to be poised to steal further bread out of their mouths by employing more and more architectural assistants. Another triumph for communitarian economics — get the money right and the quality will follow?

I've known David Rock, the conference chairman, since we shared the platform in 1977, at the first RIBA conference on developer roles. The "pioneers" of managed workspace paraded their development in front of an audience who seemed eager to learn about such schemes. Almost a decade later the second conference has just been attended by a similarly attentive audience, but it is surprising how slowly things seem to move.



Urban renewal at the Woodhousehead. Architects were Black, Carruthers Associates of Liverpool, who are exhibiting at the Architect exhibition.

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Notwithstanding having initiated 25 schemes (while being registered with Armit there was no mention of any work at the conference. This is a bit naughty as my group of companies (Regeneration) turned over £10 million in seven years and created more than 3,500 jobs. We acted as professional enablers for British Steel at Clyde Works and five other steel-works area schemes. We designed and built the Toxteth New Enterprise Workshops and the Triton New Enterprise Centre for British American Tobacco, and the same for the London Enterprise Agency at Brane Street, Spaldfields — for the Port of London Authority at Cannon Workshops in the Isle of Dogs Enterprise Zone — and for Tommy Steel in Hermondey at Trinity Business Centre.

Maybe, like many others, I have been getting on with development rather than writing about it. This is not sour grapes — it is a concern with the demystification of the development process. There is a danger of creating myths around what is merely common sense. Even in 1977 it seemed to me that those reading about architects in development might believe that there were only a select few god-like creatures who had done it all instead of recognising "an idea whose time has come". My own inclination would be to celebrate the ordinary nature of what we have all been doing and the logic of having more people join in the process.

The whole question of professional risk-taking seems to produce highly ambiguous responses, at least in the RIBA's hallowed halls. Confusion seems to exist about the role architects can play. This becomes particularly acute when addressing the issue of profit. One could almost believe that the old divisions of Right

Community architecture is hitting the headlines a decade after Community Development, but so far they have not joined together. I believe "not-for-profit" agencies for area renewal will soon emerge, looking for partnership roles with more traditional developers and local authorities.

So far, only the big private companies are joining together with central government assistance to renew the better parts of the run-down areas. I've directed development in a variety, but the precedents are there and some lessons could be learned from America in this respect.

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Former environment secretary Michael Heseltine calls for inner-city revitalisation in the foreword to the Architect catalogue.

ARCHITECTS and planners have a pivotal role to play in the Britain we are building for tomorrow. Virgin sites of course have an appeal, but restoration and adaptation of old areas to new uses is just as — and perhaps even more — rewarding. The mixed micro-economy of the new towns can be restored to the inner cities, and it is this "new towns from old" philosophy which I wish to urge.

Of course, no group can achieve such a renaissance as I envisage on its own. Public and private sectors must work hand in hand to defeat this cycle of deprivation and bring innovation and new life to the stress areas. The public purse must lead the way and offer the initial financial incentives necessary to encourage the private sector. But the private sector needs to be receptive and ready with new ideas, design ideas, development ideas, based on local knowledge, of local people, their skills and their needs.

I would like to see development established within urban areas, each with the support of its own local authority and the private sector, and tailor-made to design solutions to the problems of the particular area in which they operate. I would want these

and left were the only criteria by which to judge achievement. If a risk-taking venture paid off, the spectre of property speculation seems to haunt community advisers...

The mere fact that there could be a separate trend calling itself "community" architecture contains an aggressive and somewhat offensive notion. Those who chose to work in or with public authorities made the commitment to the democratic availability of their skills to all communities in their area. Why should some new form of fundamentalism claim a monopoly of involvement in communities?

Professional enabling from the bottom up has been an everyday part of many architects' and planners' lives, practised in the normal (and all too frequently disregarded) work of local government. Some members of the community architecture movement appear intent on substituting their work for that of several local government departments, rather than offering partnerships. In this, a concern for local democracy may unwittingly help central government to further dismantle local government.

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Beating a cycle of deprivation

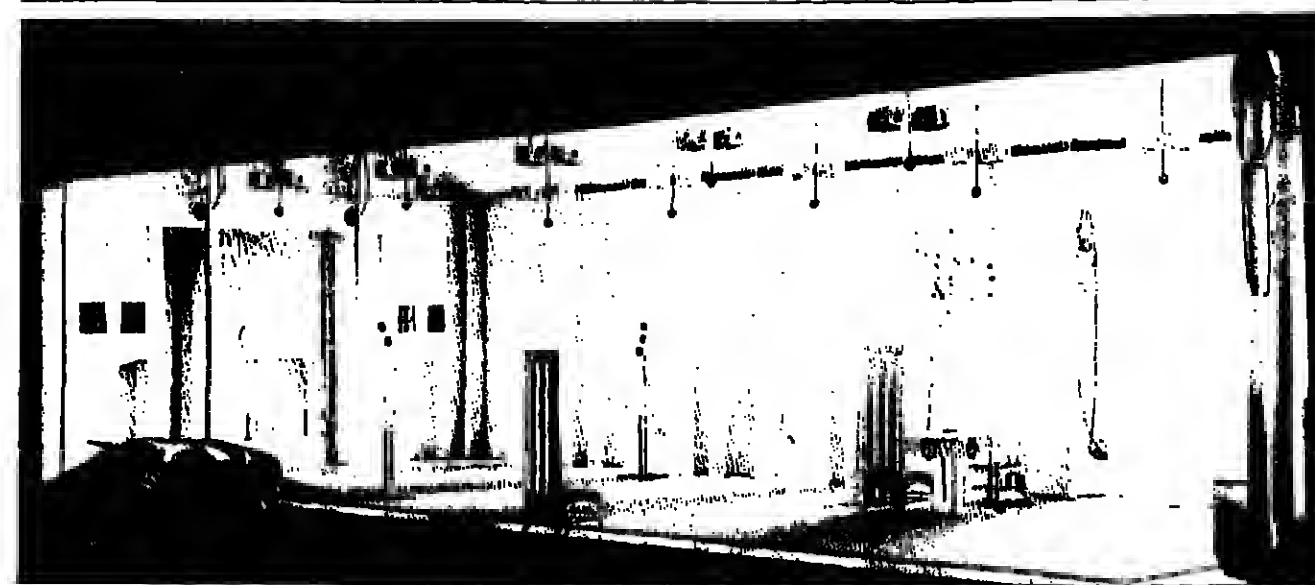
Former environment secretary Michael Heseltine calls for inner-city revitalisation in the foreword to the Architect catalogue.

trusts enabled to issue tax-exempt bonds to provide long-term financing at low rates of interest, similar to job creation in the USA. And as part of a comprehensive programme, some form of rate-free holiday could be provided. Furthermore, I would like to see the Government release more of the capital receipts generated by the sale of council houses to assist such projects. More of these funds should go back into the local communities they came from.

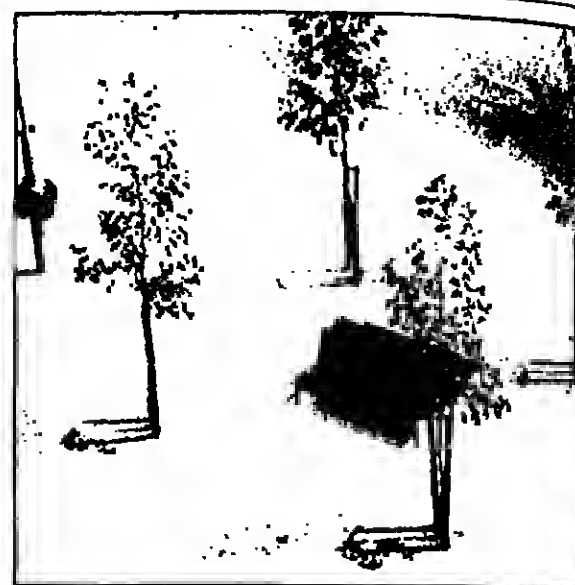
There would need to be an overall umbrella for these schemes. A National Urban Renewal Agency, based on the successful models of the Scottish and Welsh development agencies or the development corporations in Merseyside and the London Docklands, would be required to oversee the mobilisation of funds and co-ordination of schemes within each area.

The design role is a vital one in all this. Imagination and vision are just as crucial as finance and co-ordination. Each without the other will never bear fruit. Tomorrow's harvest, good or bad, depends on us all, politician and planner, designer and developer, banker and businessman. In partnership we can make our inner cities rise again.

Architex preview



Angus Modelmakers, Charles Rennie Mackintosh music room.



Brian Clouston & Partners, Birmingham airport plaza.



Davis & Byrne, offices and flats in Westminster.



Rolfe Judd Group, offices in Soho.



McCall Architects, refurb for St Martin's Hospital.

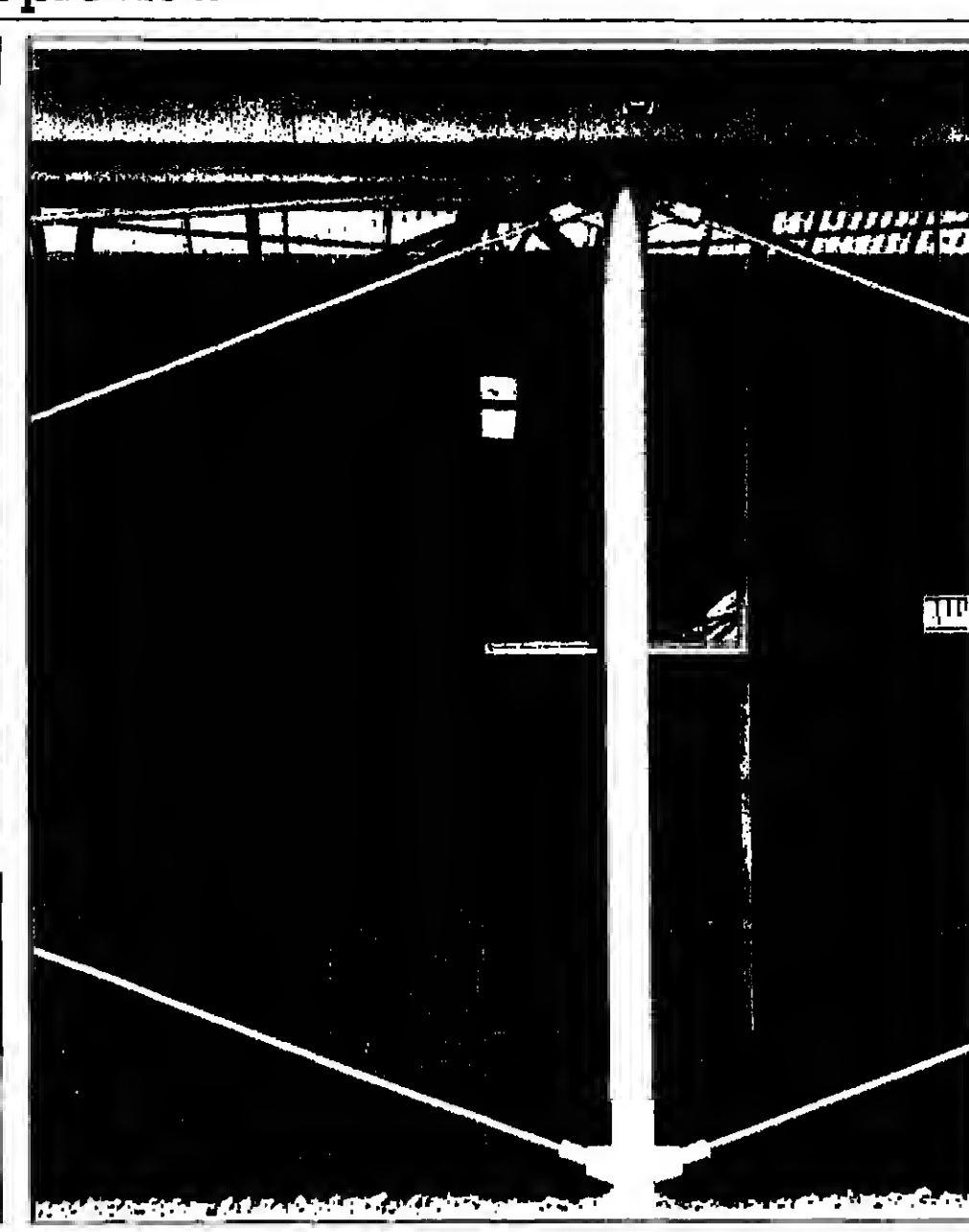


Faulkner-Brown Hendy Wilkinson Stonor, Chester-le-Street civic centre.



Rock Carmichael, hi-tech units for English Estates.

Architex preview



Cambridge Design, premises for Hospak, Kings Lynn.

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Using the superb flatness of Alucobond, combined with their ability to shape it into virtually any shape, Teal Cladding developed a completely new method of fixing to produce an intricate and memorable frontage.

If you would like an equally attractive and durable finish for your building, in any of the many colours and finishes available in Alucobond, clip the coupon below or telephone technical sales on (0952) 585580. You'll find it's definitely the shape of things to come.

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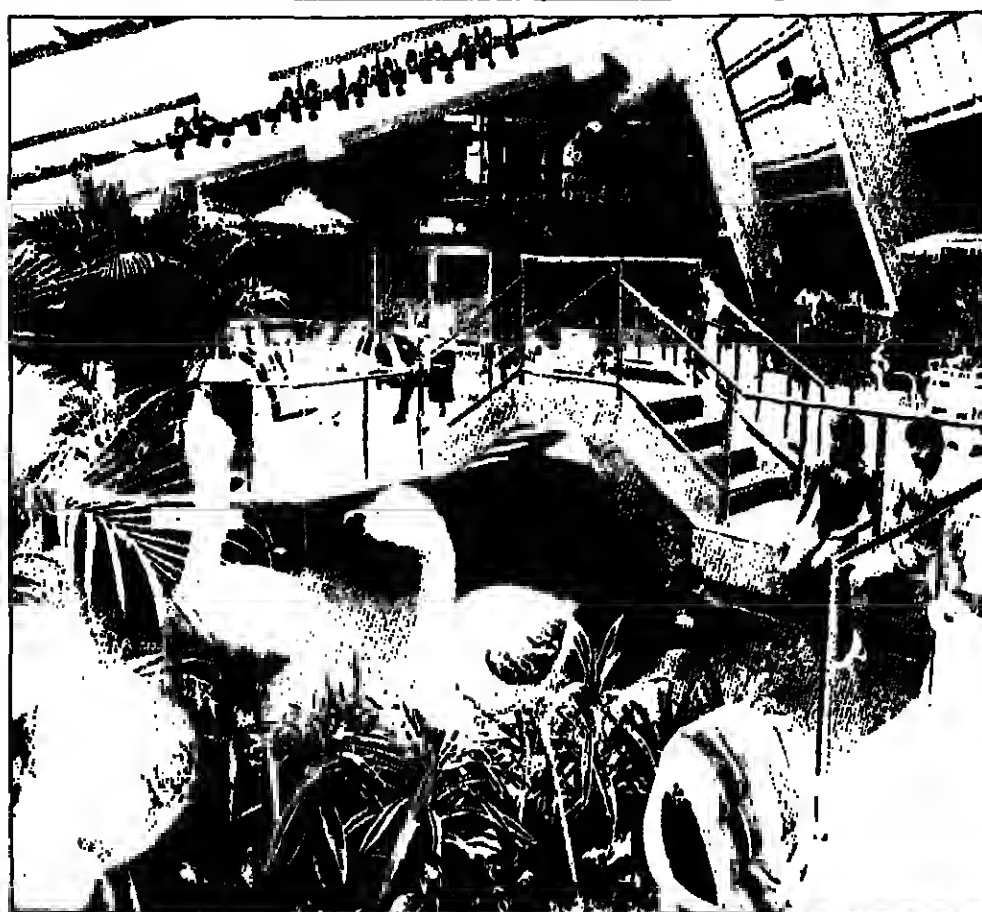
Address _____



Teal Claddings Ltd., Unit 5, Halesfield 11,
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Form 04 ONEXPRESS

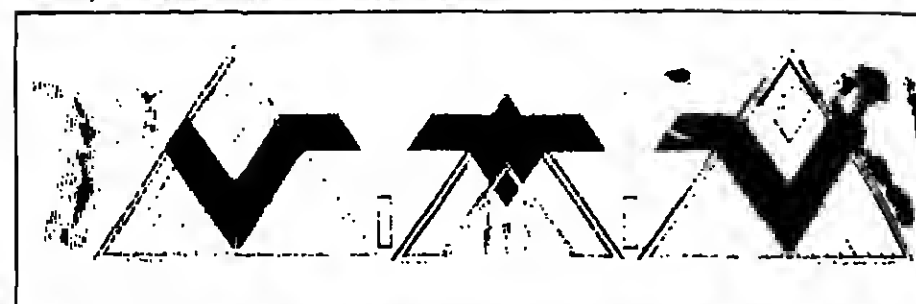
Architex preview



Sargent & Pottrill, Tropical Leisure Complex, Selsdon Park Hotel, Croydon.



Acanthus, "a nationwide network of like-minded architects".



Acanthus practice Stephenson & Thomas, trackside/motel near Winchester.

Before you buy your new roof windows check which have stood the test of time.

Full technical information is freely available in the Velux full colour brochure. Just send the coupon.



The Velux Company Limited, Telford Road, Eastfield Industrial Estate, Glenrothes, Fife KY7 4NX.
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Roof Windows



Scott, Brownrigg & Turner, Concept 2000, Farnborough.

Architex exhibitors

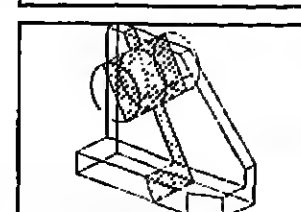
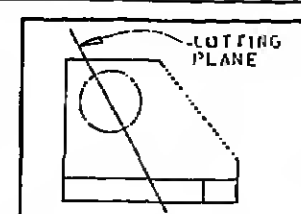
Acanthus, London W4.
Adams Folia Associates, London SW3.
Architectural Design, London W8.
ARC Design Consultants (UK) Ltd, London NW1.
Angus Modelmakers Ltd, Glasgow.
Arnold & Snell, Slough.
Art for Offices, London E1.
Basit Al-Bayati, London W6.
Brent Development, Wembley.
Brian Clouston & Partners, London EC4.
Brook Carmichael Associates, Liverpool.
Building Design, London SE18.
Cambridge Design, Cambridge.
Century Wharf Development Co Ltd, London EC2.
June and David Durrishire, Clonsilla, Newcastle-upon-Tyne.
Davis & Bayne Partnership, London SW18.
Derek Latham & Associates, Derby.
Duffy, Eley, Gilmore, Worthington, London W1.
Edmonds Goulding Miller Appleby, London W1.
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Faulkner-Brown Hendy Watkinson Storer, Newcastle-upon-Tyne.
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McCall Ltd, London W1.
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RIBA, London W1.
Sargent & Pottrill, London WC2.
Scott Brownrigg & Turner, Chislehurst, Surrey.
Simpson & Brown, Edinburgh.
Spaces, London EC2.
Stevenson Marsh Partnership, London SW16.
Stevenson & Thomas, Winchester.
Technique Architecture, Paris.
The Halpern Partnership, London EC2.
William Smith & Sons, Qu Ductham.

Books

Willing design servant

By Richard Twinch

Cadcam in practice, A J Medland and Piers Burnet (Kogan Page £7.95).



Creating cross sections with a cutting plane.

At last there has appeared a very readable and sometimes entertaining book specifically aimed at managers — those who will have to co-ordinate the purchase and running of a Cadcam (computer-aided design/computer-aided manufacture) system and more importantly will have to justify to owners/partners and employees the use of Cadcam, in general as an appropriate technology for their business and as the particular specific system to be used.

At first sight the book may appear geared more towards the mechanical engineer than the architect. This reflects the expertise of the authors: A J Medland is professor in the department of engineering and management systems at Brunel University and Piers Burnet is a freelance writer. The book escapes the limitations of jargon (with occasional exceptions) while containing a great deal of experienced advice and detailed technical descriptions. There is a good eight-page glossary and thorough index for cross-referencing purposes. For architects the (admittedly) "Starter List" of suppliers of turnkey systems contains some notable omissions. Most of the illustrations and anecdotes relate to engineering applications and where buildings are shown they are very rudimentary.

It would, however, be a mistake to be put off by this emphasis on engineering. Engineers have been using computers for detailed design and manufacture for 20 years and many of the hard learned lessons are valuable across the board, particularly on the management aspects.

The book naturally divides into two; the first half describing the technicalities, ie hardware, software, 2D and 3D modelling etc, and the second half the managerial questions and problems. Good though the first half is, it is the second that encapsulates and expresses real knowledge of the mechanisms involved in justifying and choosing a suitable system. The management side is certainly the area architects need to pay most attention to, technicalities follow later.

Ideas are codified as general "rules". These include:
(a) It takes at least six months for a new system to settle in and become productive.
(b) Cost benefits appear over a period of time (two-three years).
(c) Many benefits of using CAD are not foreseeable and are not quantifiable. This includes achieving tasks not possible without the technology as well as completing existing tasks better, faster and more efficiently.

(d) Rather than seeking ways to replace men with machines it is better to find ways in which men and machines might best work together.
(e) To consider design and manufacture as a continuum makes the best use of CAD.

The book goes on to describe the need for a champion within the organisation who will personally be responsible for seeing the choice and implementation of a system through to the end. I have known many installations fail at various stages due to lack of such a person. In fact the strength of the advice given in the book is that it always comes back to the people involved as being of paramount importance.

The examination of the correct storage and flow of graphical data as the key to successful CAD also points to the importance of personal and inter-departmental communications and politics, essential for successful implementation. All this confirms other studies previously discussed (Bath University Report review Nov 85) which has shown that the use of computers by architects has been severely hampered by inter-disciplinary rivalry and bad communications. One amusing example of bad management, was the disastrous results experienced by a company that eliminated drawing boards during the summer holidays without the staff knowing. The book advises on a process of gradual adoption rather than overnight coups.

On the technical side some of the descriptions of manufacturing processes can be skipped over quite quickly. The discussions on 2D and 3D systems are excellent and compare favourably with those in the far more expensive CICA book (reviewed BD Feb 7, 1986), though lacking the detailed system evaluation that the latter contains. One important point that is made is that "the introduction of 2D modellers carries with it the dangers that always accompany a revolution that is begun but not completed" and that it is best to look for a system that has both 2D and 3D capability.

There is likewise good advice on the selection of hardware — especially that "no prior commitment should be made to a particular type of hardware" — and an interesting chapter looking at future developments. All very good value and well reasoned, though the forecast that there will be special kitchen-design systems in the future has already been proved accurate.

This book fulfils its aims and provides a working tool to examine the effects of "going CAD" and evaluating available systems — the Brunel University checklist for potential systems (included as an Appendix) is thorough. The publishers might also consider an edition specifically aimed at architects. Without revealing any more detail the final sentence needs to be quoted in full:

"In the last resort CAD and CAM are tools like any other. They will be most effective in the hands of those that take the trouble to understand the principles involved without becoming so absorbed by the technology that it becomes an end in itself. We hope that this book will make some contribution towards ensuring that those who use CAD/CAM see it as it should be seen — an immensely helpful servant that should never, never be allowed to become master."

Here, here!

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Tested in accordance with Appendix E the WC Connector shall withstand a pressure of 0.1 bar for 5 min. without any visible leakage.

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Tested in accordance with Appendix F the WC Connector shall withstand, without loss of pressure, an air pressure of 0.005 bar for 5 min. when assembled without deflection.

* 9.3. Water and Air Tightness Test under Deflection.
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* 9.4. Bell Test.
The connector body shall be capable of freely passing a solid ball of Diameter 80 mm.

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New products

Compiled by Harold Hudson

Watch out for the dirty tricks brigade

BECAUSE of the nature of the beast, it is quite easy to cheat when it comes to manufacturing plastic sheet, such as building film used in damp-proof membranes and vapour barriers. Dirty tricks, apparently, have abounded, ever since the business began. Now the PIFA (Packaging and Industrial Films Association) is trying to do something about it.

We should hasten to point out that the problem is not simply that polythene sheet is used in the building business. There are about six court actions pending which have as their targets producers of plastic bags. But the type of problem we are talking about has many more long-term implications in building than it does in the bin liner business.

The result of using a substandard polythene sheet in building could result in a perpetually damp floor or wall or a timber framed wall which eventually rots due to interstitial condensation. The situation is not helped by the lack of an appropriate British Standard.

Because it is difficult to tell what the thickness of a polythene sheet really is without sophisticated equipment, some "cowboy" outfits (PIFA's own description) have

been getting away with murder. As a result, the PIFA has now registered a quality logo, which will be attached to all its members' products and those of other manufacturers who agree to abide by the PIFA's voluntary standard. The scheme is supported by a policing system and has the backing of many Trading Standards officers. For specifiers, the message must



be: only permit the use of polythene sheet with the new PIFA quality logo on it. That way you know that you are not being cheated.

Smarter plotter

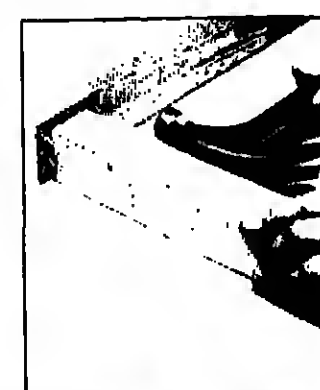


PENMAN Products has introduced an improved version of its successful portable Plotter with a built-in modem. This enables the plotter to be connected directly to a telephone line via a standard BT socket and to receive plotting instructions from a computer at the other end of the line. The graphical information that is transmitted is secure and the equipment clearly has considerable advantages for the architect or engineer.

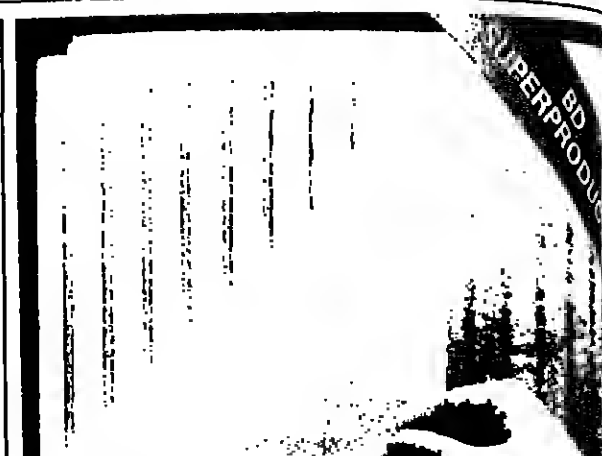
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End-on connectors

SMALL galvanised steel fastening plates, called Woodhogs, have been introduced by Truline Building Products to make more effective and secure butt connections between timber components. As an alternative to screw nailing, Woodhogs are simple to install and do not cause splitting of the wood. Specially useful applications include studwork, partitioning, framing, strutting and fencing.



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TANKING DRAINAGE

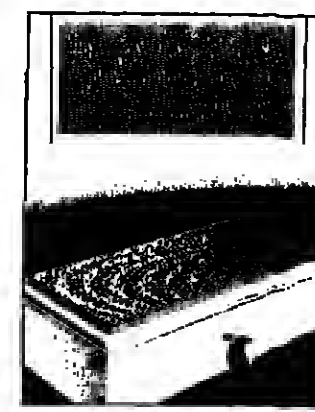
DOW Construction Products has introduced Permate DI, a Styronium extruded polystyrene board which insulates and drains the perimeter of underground structures without the need for a surrounding gravel French drain. The board is simply secured to the outside of the basement wall with cold bituminous adhesive and prevents the build-up of water pressure against the structure. Manufactured in closed cell Styronium, one side of Permate DI has vertical grooves, overlaid

with a filter fabric. This provides the drainage route. Its 125mm x 40mm board has low thermal conductivity 0.028 W/mK, a compressive strength of 250kN/m² and resistance to water penetration. Permate DI has already acquired a track record in Germany for satisfying drainage capacity safety margin.

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Air diffusers

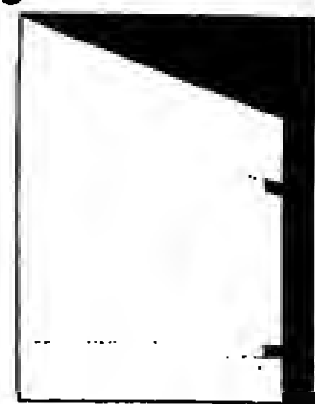
DESIGNED for use in locations where critical control of air diffusion is essential, the Series LF ceiling-mounted laminar flow diffusers from Waterloo Air Diffusion are best suited to rooms where low air velocities with high air change rates are required. Suits lay-in T-concealed Torflow fitting modular ceilings, the Series LF units come in 600mm square and 1,200mm x 600mm frame styles.



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Display cladding

HANGFIRE is a new decorative fire retardant wall cladding with integral aluminium inserts which provide secure hanging and will accept clip-in fixings for shelves etc. This system, introduced by Rex Beaufield, is quick to install, meets the Class 1 surface spread of flame criteria of BS 476: Part 7 and is supplied in standard board sizes, 3,000mm x 600mm and 2,400mm x 600mm in any combination of laminate, inset profile and inset centres.



Enter 109 ON EXPRESS ENQUIRY CARD

Twin RCCB socket

AFTER the success of its single RCCB protected socket outlet (the Powerbreaker-S), B&R Electrical Products has introduced its Powerbreaker-Twin 13A double socket version. Built to BS 4293 and 1363 requirements and designed for 230/250V, 50Hz operation, the Powerbreaker-Twin has a full double-socket current capability. Its RCCB will trip at 30mA at a typical speed of 30ms. There is a choice of two finishes; also test and reset buttons are incorporated.



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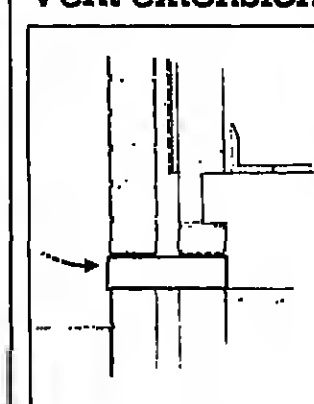
Robust door



SPECTUS Windows is introducing a heavier residential pvc door leaf profile which will accept heavy duty reinforcement. The multi-chambered 3mm thick profile incorporates high security multi-point locking and the robustness of the new door, the company claims, makes it applicable for commercial and domestic applications. Yet all this extra strength has been gained without markedly increasing sight lines.

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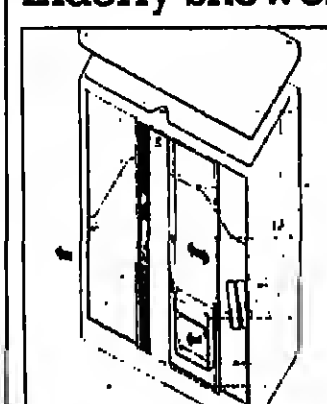
Vent extension



CAVITY Trays has introduced an extension unit which can be used with its Type W weep/vent unit. This allows the Type W to be transformed into a straight-through ventilator and the manufacturer claims that at least five different functions can be carried out using various permutations of the Type W and the Type W extension duct. This versatility makes the job of the builder more simple and renders it unnecessary to stock many different parts.

Enter 110 ON EXPRESS ENQUIRY CARD

Elderly shower



FO be marketed in 1988, Kenneth Grange's new design for a shower unit for the elderly has had its first showing at the Helen Family Foundation's "New designs for old" exhibition. This unit is the result of research by Grange for Ideal-Standard. Ease of use and installation and first class performance are the design criteria. Features include a fold-down seat, water and temperature controls, three showerhead levels, adjustable seat and full environmental controls.

Enter 112 ON EXPRESS ENQUIRY CARD

Mains pressure domestic hot water from a traditional copper cylinder?



YES! when you install the Gledhill Cormorant BoilerMate

- AND THAT MEANS YES
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The BoilerMate is supplied complete with control package and is available from Gledhill manufacturing units throughout the country.



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This year Anglia Lead Roofing completes 25 years of working at the top with the skills that only true craftsmen can offer. Chosen by leading architects and builders for our unique experience in roofing and laying lead on both historic and modern buildings, we have undertaken projects large and small in many parts of the British Isles. Lead, with its long life of up to 150 years, as well as its insulating and sound-proofing qualities, gives a unique finish to any building. And we also produce other lead products including downpipes, gargoyles and decorative panels, together with the supply of cast lead sheet. Illustrated brochure on request.

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Detector cleaning

ON-SITE cleaning of smoke detectors is a new service offered by Clinicon Fire. Whether in the form of a one-off visit or an annual contract, this service avoids the down-time that would be necessitated by the removal of the detectors for off-site cleaning. Clinicon's service includes the checking of all the devices for correct sensitivity by the use of a plug-in electronic calibration unit. Any detectors found to be faulty will be removed, fully reconditioned and replaced.



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Surface water drains

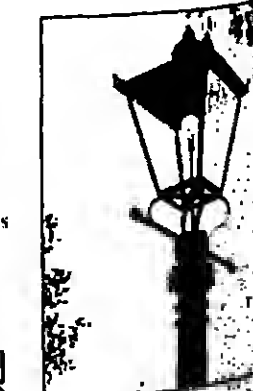


AS well as offering a wide choice of channels in its Polychem and water drainage channel range, Drainage Castings has now extended the choice of grates. There are now 18 of three-grate, four-grate, six-grate, stainless steel, plastic coated, Polychem brass — all designed to suit different locations and loading conditions. They have a special locking locking bars to prevent unauthorised removal.

Enter 104 ON EXPRESS ENQUIRY CARD

Lanterns

COMPATIBLE with any of English Street Furniture Company's lamp posts, but also capable of being pillar- or wall-mounted, or even suspended from a chain, ESFC's new Emperor lantern has an appearance reminiscent of the Victorian era, although made in die-cast aluminium. The Emperor lantern is low-cost and can be fitted with high-power discharge or energy-saving lamps, as well as road lighting refractors.



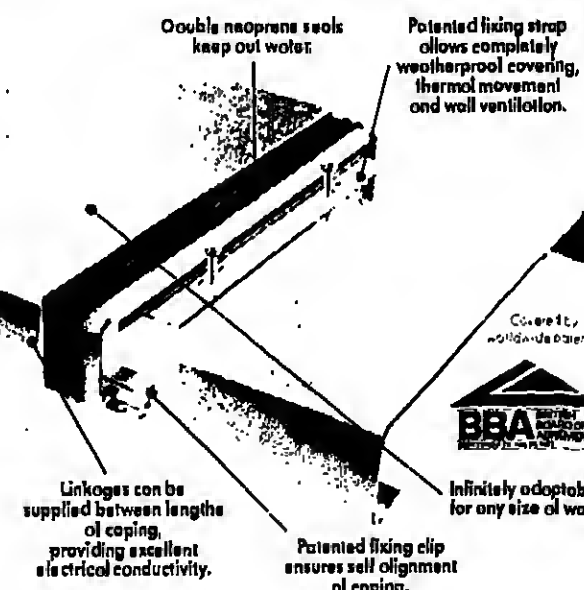
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Document storage



SPACE-SAVING document storage for computer-generated information at a cost-effective price is the claim of Carter Document Library Unit. Its centre-hook filing units are supplied in the Library Units in levels of A4 and A5. Mixed Media with levels of A4 and A5. Height with two levels. The last two levels are with laminated covers.

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The Alifabs aluminium coping system. Unique. Stylish. Effective. The only coping with an Agrément Certificate.

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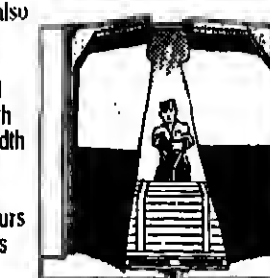
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How to make an honest living from hanging about in doorways.

Stokvis have earned an international reputation from hanging about in doorways. That's because we specialise in doors designed and made not only to increase production efficiency, but also to decrease fuel bills.

They can be made to virtually any size. They roll or lift or swing or fold or push aside. They can be fitted with double-glazed windows, with full-width transparent panels or can be totally transparent, solid or strip PVC.

They can even be finished in colours to match or complement your plant's colour scheme.



Here, in our main picture, is the best-selling, high-speed Rapid Roll door. The smaller pictures show the Reflex, swing doors with great visibility; Roladoor, made from one continuous sheet and designed for lightness, strength and ease of maintenance; and the Thermodoor insulated overhead door, and the top-selling Insuldoor insulated side-folding door, requiring no bottom track, both of which exceed current

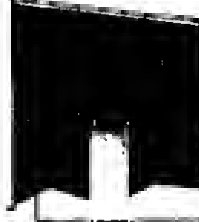


U.K. building regulations. Not illustrated is the Fast-Fold door, probably the least expensive way to save vital energy; and Fast-Fold doors, which open and close in about two seconds flat!



As you see, there are so many permutations, you could find it hard to decide. Fortunately, the experience Stokvis has gained over twenty years working with British companies of all types and sizes is at your disposal.

Send for the free Stokvis information pack with details of the Stokvis range of industrial doors. And start to make some honest savings.



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Tel: 01 841 1212. Telex: 917116 STOKVIS G.

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2) Please ask a Technical Representative to contact me.

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POSITION _____
COMPANY _____

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BD 80/8/86
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New products

Air-conditioner

SAID to be the world's first inverter controlled room air-conditioner, Toshiba's RAS air-conditioners were launched in the UK in May this year.

Compared with conventional heat pump air-conditioners, the major benefits of the Toshiba inverter-aided conditioners are: powerful fast cooling and heating, simultaneous dehumidification, unrivalled comfort and energy saving. The use of an inverter to convert the fixed 50Hz alternating current to direct current allows more flexible control of the conditioner, by means of a micro-computer which ensures that it provides the exact capacity at the time it is needed.

Enter 115 ON EXPRESS ENQUIRY CARD

Shower trays



TWO new rectangular shower trays have been introduced by Cambsborough Plastics. One is 900mm square (the Diplomat), the other 760mm square (the Ensign). They are Cambsborough's 'Inviso' quadrant shower tray. All three types have anti-slip standing area, chrome wastes and a wide colour range. Both the Diplomat and the Ensign are constructed in glass reinforced polyester, the Ensign is made from Sun cast acrylic, totally reinforced with glass fibre.

Enter 116 ON EXPRESS ENQUIRY CARD

For further information on the products on these pages use the pre-paid enquiry card.

Fixed louvre

MANUFACTURED in aluminium, a new range of fixed louvre panels has been introduced by Beis Naco. These are intended for use where high volume air intake and exhaust are required — in boiler houses, lift shafts and ventilation ducts. Panels are available in mill finish, natural or bronze anodised or polyester coated. Insect screens and bird mesh guards are also available. Louvre blades are held in the frames by patented polypropylene mouldings which facilitate removal — but from the inside only!

Enter 117 ON EXPRESS ENQUIRY CARD

New products

Carpets

TWO new ranges in one have been launched by carpet-maker Hugh Mackay. Both are twist pile tufted carpets in 80 per cent wool and 20 per cent nylon. Durham Super Twist carries a BCPR Category A Extra Heavy Wear rating. Durham Twist has a grading of Category B — Very Heavy Wear. Both contain the same 10 colourways and are available in 3,660mm and 4,570mm widths. It is believed that these carpets will meet a demand in the contract sector, as well as in the domestic market.

Enter 118 ON EXPRESS ENQUIRY CARD

Soil accessory

LATEST addition to the Hunter Building Products 110mm upvc soil system is the S200 which is set to simplify many a bathroom plumbing system. Made in grey upvc, the S200 is inserted into the soil stack above floor level, but below the wet branch.

In this position it is ready to receive bath or basin waste connections into its four special inlet positions in the top of the chamber. Connections are made in the normal manner using the Hunter ring seal jointing technique.

The Hunter S200 fits into the corner of a room or against a wall and it can be fixed in position using pipe or socket brackets.

Enter 119 ON EXPRESS ENQUIRY CARD

LIFTS

OFFERING the distinction of an individual installation at the cost of a standard product, Otis Elevator's British-made Custom 2000 lift is manufactured using the latest computerised techniques.

Capable of being engineered to carry from eight to 21 passengers, at speeds from 1m to 4m per second and with three options of either geared AC servo or gearless DC, Custom 2000 is said to give a comfortable ride with minimal waits and quick response in changing passenger flow patterns. This is made possible by making use of Otis' Elevomicroprocessor technology.

Lift cars come in three styles: the Concept car (illustrated) which takes a step into the future in design terms, the Connect car which is built to order with wood, laminate, fabric or mirror glass linings, and finally the Modular car which has traditional good looks. Doors are 2100mm high and give clear openings of 800mm, 900mm and 1,100mm.

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Pipe protection

UNLIKE many other cathodic protection systems for underground pipes, storage tanks, cable ducts, etc., the new Amulex system, developed by Raychem, ensures precise current distribution over the full length of even the longest underground pipeline system, thus providing consistent protection, even when other pipelines cross or run close to the line being treated.

The system can be applied to the inside or the outside of a pipeline or vessel, or pipes running through concrete and equipment in some of the most aggressive environments. Amulex is based on a long-life, wire-like anode which can be placed close to the pipe requiring protection, thereby reducing the risk of interference and stray currents.

Cathodic protection has been shown to stop corrosion in pipelines, particularly those buried in soil or encased in concrete. The system employs a small electrical current which halts the chemical process that causes steel to rust.

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DESIGNED FOR LIVING.

Macpherson's multicolour paints. The totally modern finish. Whether you're designing a boardroom or decorating a luxurious penthouse, the Macpherson and Portatone range ensures you can set the right mood in the right place. With twice the lifetime of conventional finishes, it's perfect for high traffic areas. And the delightful aesthetic guarantee a friendly space, designed for living.

Apply the multicolour. You supply the imagination.



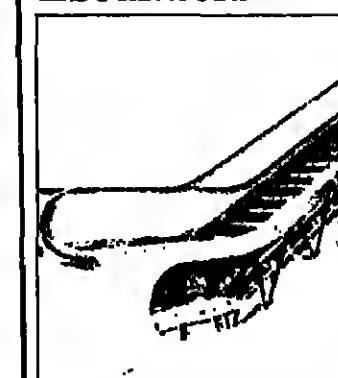
Macphersons. Bringing Technology to the Surface.

For technical information and literature about epoxy-applied Portatone and Portatone write to David Macpherson.

Macphersons Ltd, 299 Oxford Street, London W1.



Escalators



MANY new developments have been incorporated by D & K Escalators in the equipment it has designed and manufactured for the Lloyd's Centre. These include glass panelled side sections which expose the workings, extended grill wing newels with toughened glass balustrades, handrails with a three-section finger protection to prevent accidents, an advanced electronic diagnostic panel to check quickly on all major safety and service aspects and integral smoke detectors and sprinklers.

Enter 120 ON EXPRESS ENQUIRY CARD

Bollards

DEL-CORAN has introduced a new range of removable parking posts. Spacester is a 150mm square post in two heights — 1500mm and 800mm — manufactured from tropical hardwood with contoured edges and pyramidal shaped tops. Spacekeeper is a 100mm diameter circular steel post, 825mm high, and Spaceholder — a lockable folding bollard — is made from 70mm square steel hollow tubing. The steel bollards are coated with Levain EVA for weather protection.

Enter 121 ON EXPRESS ENQUIRY CARD

New finishes

FORMAT, the range of architectural ironmongery from James Gibbons Format which won a Design Council award is now available in 16 stock finishes. Four new finishes have been added: in the solid metal range, polished stainless steel has joined the satin stainless and polished brass finishes, plus the various anodised aluminium finishes; in the polyamide nylon coated finishes, grey, yellow and white have been added to the existing range.

Enter 122 ON EXPRESS ENQUIRY CARD

Reducers

SOLVING the problem of connecting metric to imperial polyethylene pipes, the Push-Fit reducing connectors from F.W. Talbot eliminate the need for screwing up end nuts correctly. They have excellent pull-out resistance and are supplied in all the necessary combinations to move from obsolete to new pipe sizes. Reducers are manufactured from engineering plastics and are of single body construction. No inserts are needed for the imperial pipes, only metric inserts.

Enter 123 ON EXPRESS ENQUIRY CARD

Enter 124 ON EXPRESS ENQUIRY CARD

New products

Air cleaners

SPECIFICALLY designed for use in suspended ceilings, the new flush-mounted Smokester SE2 from United Air Specialists is a small compact unit, which will collect tobacco smoke, airborne dust and pollen. It simply fits in place of one of the 600mm x 600mm ceiling tiles and is completely self-contained. A charcoal filter can be fitted for odour control and the unit carries a two-year warranty.

Enter 124 ON EXPRESS ENQUIRY CARD



Roofing



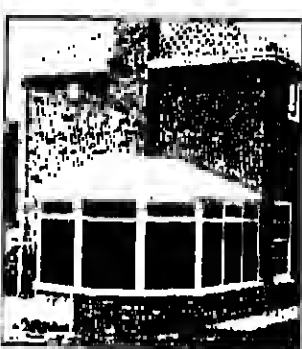
RUBEROID Building Products has introduced a new economic, high performance, torch-on membrane — Ruberoret 300. Available as a plain underlay, or natural sand or protective green mineral finished sheet, it is said to compare favourably with conventional BS felt on the basis of durability and value for money. A two layer Ruberoret 300 system gives a high quality roof at a reasonable price.

Enter 125 ON EXPRESS ENQUIRY CARD

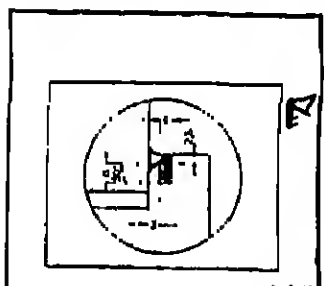
Conservatories

VICTORIAN style conservatories from Starglaze Conservatories are new to the market. Constructed of uppe, these home extensions have the appearance of the traditional thing but are without many of the maintenance problems. They are double glazed throughout and the transparent roof area is filled with 16mm multi-wall polycarbonate sheets. Starglaze offer a number of traditional roof shapes, including hips, from which to choose.

Enter 126 ON EXPRESS ENQUIRY CARD



Weldable seals



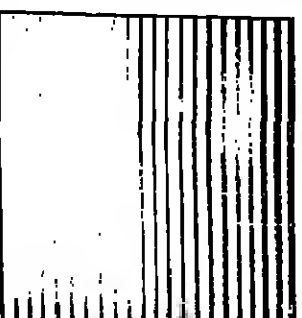
SLOTSEAL is the exclusive distributor for weldable nitrile pvc sealing profiles and welding equipment from Dewater of West Germany. There is a wide variety of weatherstrips for windows and doors in this manufacturer's range, all with a fitted foot to give secure retention in a groove machined in the joinery component. The welding of the nitrile corner joints overcomes one of the areas of potential of water penetration.

Enter 127 ON EXPRESS ENQUIRY CARD

Louvre blinds

WHETHER top hung, or top and bottom hung (intended for sloping and irregular openings or rooflights), the range of Sundrape vertical louvre blinds, recently introduced by the Louvre Blind Company, is thoroughly comprehensive. Automatic, manual or remote control tracking systems are available and all mechanical parts are covered by a 10-year guarantee.

Enter 128 ON EXPRESS ENQUIRY CARD



Building system

BASED on its previous well-known pack building system, Terrapin's new Unitex system offers the alternative of a site-tiled pitched roof, or its conventional flat roof. Units still travel to site in a flat pack form, four units to a trailer. Speedy erection and almost instant weatherlightness are two major features of all Terrapin systems. Unitex also offers a fair degree of design flexibility, as well as a building which can satisfy the Building Regulations.

Enter 129 ON EXPRESS ENQUIRY CARD



Mixers



ARMITAGE Shanks has extended its brassware ranges. Part of this development is the introduction of the de Ville collection of up-market mixers (illustrated) with a hard-wearing, etched Lustron gold finish and matching "hexagon" handwheels. Other introductions include an Art Deco style fluted handwheel and four pastel veined ceramic handwheels — all recent additions to the Starlite Collection.

Enter 130 ON EXPRESS ENQUIRY CARD

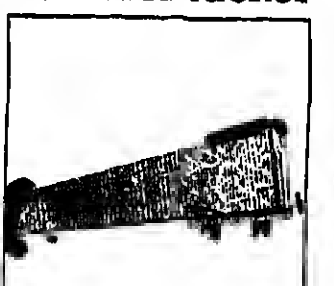
Cavity fixings

FDR use in thin materials or thin-walled cellular products with a wall thickness from 3mm to 45mm, the new Parabol Cavity Anchors, introduced by The Fasteners, are zinc-plated for corrosion resistance. They have a high loadbearing capacity, normally limited only by the strength of the base material. Once the Parabol Cavity Anchor is installed, attachments can be removed and replaced repeatedly.

Enter 131 ON EXPRESS ENQUIRY CARD



Hammer tacker



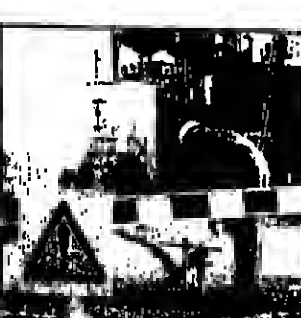
PUSHING home 14mm staples with ease, the new Rapid 54 heavy-duty hammer tacker from Rapeseed handles those jobs where thicker materials need to be fixed. Each tool is balanced, with a large staple capacity (168 maximum). It has a large striking plate, and is said to be easy to clear and dismantle. Staples with leg lengths from 8mm to 14mm can be placed and the tool itself weighs 1.10g.

Enter 132 ON EXPRESS ENQUIRY CARD

Signs

SINCE the beginning of the year it has been a legal requirement that Safety Signs comply with BS 5378: Part 1. This legislation is supported by an EEC directive. Oladon's Safety System 2000 — a collection of barriers and cones which can be used to identify and enclose areas of hazard — conform to these standards. All parts are constructed for good durability and excellent visibility.

Enter 133 ON EXPRESS ENQUIRY CARD



Coloured inks

INTENDED for use in technical pens and air brushes, as well as with conventional brushes and pens, Pelikan's new Artists' Drawing Inks come in 12 basic colours plus white, black and brown. They can be mixed to produce an endless variety of colouring effects with a consistency which is faultless, assuring the proportions of the mixes are accurately carried out with the syringe dropper, which is provided.

Enter 134 ON EXPRESS ENQUIRY CARD



Ceiling tiles



AVAILABLE in a variety of patterns, textures and sizes, Style glass reinforced glass ceiling tiles from K55 Plastics have a low water vapour transmission rate, are fire resistant, and are usually supplied underlaid.

Enter 135 ON EXPRESS ENQUIRY CARD

Boilers

BURCO Maxol has introduced a new version of its popular 12D gas mini-boiler. Developed to satisfy the growing demand for increased water heating capacity, the new 12D has an integral self-igniting valve, which offers the user greater flexibility and responsive control. The boiler's slim styling — a mere 191mm deep — means that it can be discreetly sited in a kitchen wall unit, if necessary.

Enter 136 ON EXPRESS ENQUIRY CARD



Plumbing pieces



HUNTER Building Products has introduced two new copper fittings as part of a series of handtighten Genova system. They are a two-piece connector (illustrated) and a drain-off cock. Both simply install and replace brass combined brass/epoxy fittings. The joint fitting is designed primarily for joining to 22mm diameter copper pipe with a simple push fit. The drain-off fits directly in 15mm diameter copper socket.

Enter 137 ON EXPRESS ENQUIRY CARD

Fire resisting glass

CLAVIERRE's fire resisting glass — Pyrobel — is now available in four patterns: Drich, Suwel, Tuxed and Chindell. They all have a limited form of construction, making them extremely safe. They are good for 30 minutes fire protection and the last two patterns are also available in bronze. The multi-ply structure ensures that little or no heat passes through the glass.

Enter 138 ON EXPRESS ENQUIRY CARD



Security

AVAILABLE in rim or profiled forms, the new UL94 (accepted by the Insurance Underwriters Laboratories) security HS 74 cylinder has been added to the Modlok S Allgood. The base of the cylinder is a patented locking principle which is claimed, making the cylinder practically unbreakable and only operated by a key which can only be made by special machine.

Enter 139 ON EXPRESS ENQUIRY CARD



This week

Friday-Sunday
The implementation of local plans and policies, course organised by the Town & Country Planning Association.
Venue: De Vere Hotel, Coventry.
Cost: TCPA member organisations and members £160 plus VAT, non-members £200 plus VAT.
Details: Sally Scarle, TCPA, 01-930 8903.

Monday-Wednesday
Concrete for building control personnel, a three-day course organised by the Cement & Concrete Association.
Venue: Cement & Concrete Association, Fulmer Orange Training Centre, Fulmer, Slough SL2 4QS.
Details: (02816) 2727.

Monday-Thursday
Design in question, conference organised by the Victoria & Albert Museum.
Venue: Lecture Theatre, Victoria & Albert Museum, London SW7.
Cost: £40.
Details: Angela Thurgood, Education Department, Victoria & Albert Museum, London SW7 2RL.

Tuesday-Wednesday
Your marketing initiative now, briefing for a principal in medium and small architectural practices.
Venue: The Victoria Spa Lodge, Bishopston Lane, Stratford Upon Avon, Warwickshire.
Details: Liz Burchell (056) 433634 or George Fardon (0866) 793035.

Tuesday
Architects and their work, lecture by Richard England, Malin.
Venue: RIBA, 66 Portland Place, London W1, 6.15pm.
Cost: Members and students £1, others £2.
Details: 01-580 5533 ext 4335.

Tuesday
Concert by the Duke String Quartet from the Royal Academy of Music as part of a series of handtighten Genova system. They are a two-piece connector (illustrated) and a drain-off cock. Both simply install and replace brass combined brass/epoxy fittings. The joint fitting is designed primarily for joining to 22mm diameter copper pipe with a simple push fit. The drain-off fits directly in 15mm diameter copper socket.

Wednesday
Sorting out the Skittles, a one-day course organised by the Midlands Study Centre.
Venue: RIBA, 66 Portland Place, London W1.
Cost: £100 for centre subscribers, £110 for others.
Details: The Midlands Study Centre, 9 Westbourne Road, Edgbaston, Birmingham B15 3TN (021) 454 2008.

Wednesday
New regulations and agreements, symposium organised by the Institute of Hospital Engineering.
Venue: The Institution of Mechanical Engineers, Birdcage Walk, Westminster, London.
Cost: Members £48, non-members £53.
Details: Institute of Hospital Engineering 107051 823186.

Thursday
South London Society of Architects annual general meeting.
Venue: Rangers House, Blackheath, S.E.16.
Details: Richard Beatty-Pownall, 106 Lower Richmond Road, Putney SW15 1LN.

Friday
Thatching, seminar organised by the Thatching Advisory Service.
Venue: Thatching Advisory Service, 29 Nine Mile Ride, Finchampstead, Nr Wokingham, Berkshire, 9.30am-5.30pm.
Cost: £65 plus VAT.
Details: Tessa Blair, Thatching Advisory Service, (0734) 734203.

Enter 139 ON EXPRESS ENQUIRY CARD

Exhibitions

June 20, 23-26
Oxford diploma show.
Venue: Department of architecture, Oxford Polytechnic, Oxford, 9am-9pm.
Details: Isobel Birne (0865) 64777 ext 467.

June 21-October 5
William Morris woven textiles.
Venue: William Morris Gallery, Lloyd Park, Forest Road, London E17 4PP.
Details: Kate Thxton 01-527 5544 ext 490.

June 26-July 26
London: Images from the modern city, an exhibition organised by the Heinz Gallery at the RIBA.
Venue: Heinz Gallery, 21 Portman Square, London W1.
Details: 01-580 5533.

Until June 28
The mission of the architect: to build for the people, organised by the Polytechnic of Central London with the Society for Cultural Relations with the USSR.
Venue: The Marylebone Road Gallery, Polytechnic of Central London, 35 Marylebone Rd, London NW1.
Details: 01-580 2020.

Until July 3
New design for old.
Venue: Boilerhouse, Victoria & Albert Museum, London SW7.
Weekdays and Saturdays 10am-5.30pm, Sundays 2.30-5.30pm, closed Fridays.
Cost: Free to the Boilerhouse.
Details: 01-581 5273.

Until July 4
Always there, an exhibition of two of his works: the block of flats on the Schreierstrasse Tor for the International Building Exhibition Berlin 1984, and the bank for Borges and Irman in Vila do Conde, Portugal.
Venue: 94 Gallery, 26-28 Cranmer Street, London W1.
Details: Wilfrid Wong 01-486 3555.

Until July 12
Annual exhibition organised by the Society of Artists in Architecture.
Venue: RIBA, 66 Portland Place, London W1.
Details: Artists in Architecture 01-637 5300.

July 14-August 1
Art in architecture, organised by commissions agent Jeremy Hunt and architects Derek Latham & Associates.
Venue: St Michael's Gallery, St Michael's House, Queen Street, Derby DE1 1SU, and Derek Latham & Associates, St Michael's, Derby.
Details: Jeremy Hunt (0602) 470674 or John Gwynn (0332) 365777.

July 14-18
14th PTRC summer annual meeting and exhibition.
Venue: University of Sussex, Brighton.
Details: 01-836 2208.

July 16-17
Exhibition of work of students at the Inghold School of Design.
Venue: Eaton Gate, London SW1, 10am-5.30pm.
Details: Inghold School of Design, 01-730 5308.

July 28
Feeling through form, an exhibition of eight contemporary British sculptures.
Venue: Sculpture Court, Barbican Centre, London EC2Y 8DS.
Details: Valerie Fox 01-340 3007.

Until September 28
Let's Face It — fashions in faces 1700-1986, an exhibition covering the story of the face in London over the last 250 years, sponsored by Boots No. 7.
Venue: The Museum of London, London Wall EC2.
Details: 01-600 3699 ext 240.

Coming soon

June 30
Architects Hazard a seminar organised by the Thomson Laboratories.
Venue: London Hilton hotel, Details: Philip Blomfield, (0908) 562925.

July 1-3
First international climate architecture congress.
Venue: Catholic University of Louvain, Belgium.
Cost: £2,500 BP (£170 approx).
Venue: Michael Buckley, The ECO Partnership, 11-15 Enderby Street, London WC1, 01-402 3121.

Dateline

Items for consideration must be received 10 days prior to publication



June 28-July 20 City — two views, two contrasting views of the urban landscape by London-based artists Oliver Devon and Ron Down. Venue: Concourse Gallery, Drubcan Centre, London EC2. Noon-9.30pm daily. Details: Christopher Senior 01-638 5403.

July 2
Reading Architecture: making the first move in a design, a short day release course organised by the Polytechnic of North London.
Venue: Department of Environmental Design, Room 131, Polytechnic of North London, London N7.
Cost: £75.
Details: Jon Finlayson 01-607 2789.

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Bristol.
Details: Courses Secretary, University of Bath, School for Advanced Urban Studies, Rodney Lodge, Grange Road, Bristol BS8 4EA. (0273) 741117.

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People

Hilary Chambers Associates announce that Hilary Chambers has become a partner. The other partners remain Hilary Chambers and Peter Goodwin. The practice

continues to operate from 13/16 Jacob's Well Lane, George Street, London W1H 3PU (01-935 3272).

John Pelling & Partners announce that Peter Wade ARCS, was appointed associate on June 1. Peter Wade joined the practice in 1982 and is based at the Bromley office.

Derek Laseley & Partners, architects, landscape architects and planning consultants announce that as from May 1, 1986, R Martin Kelly (London office), Ronald Jones (Manchester office) and R J Williams (Manchester office) become partners of the practice.

Storrier and Donaldson have moved to 1 Athol Place, Edinburgh EH3 4HP. Tel: 031-224 3930.

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The AD's guidance on ventilation and discharge of combustion products for solid fuel and oil burning appliances is now simpler — high rated appliances and incinerators no longer have specific requirements. Henry finds that you may get caught out fitting an extract fan — see What's New(1)

"THE EASIRECS" No 34 J1/2/3 Solid fuel and oil appliances

BY HENRY HAVERSTOCK
Tel: 01-267 7676 with comments or criticisms

REQUIREMENTS

J1 Air supply. "Heat producing appliances shall be so installed that there is an adequate supply of air to them for combustion and for the efficient working of any flue-pipe or chimney."
J2 Discharge of the products of combustion. "Heat producing appliances shall have adequate provision for the discharge of products of combustion to the outside air."
J3 Protection of the building. "Heat producing appliances and flue pipes shall be so installed and fireplaces and chimneys so constructed as to reduce to a reasonable level the risk of the building catching fire in consequence of their use."

APPROVED DOCUMENT

This begins by stating that the acceptable level of performance is for an installation to be one that:
a) receives sufficient air for the proper combustion of the fuel and operation of the flue;
b) is capable of normal operation without the products of combustion becoming a hazard to health;
c) is capable of normal operation without causing damage by heat or fire to the fabric of building.
It then splits into two sections:
Section 1 — solid fuel and oil burning appliances with a rated output up to 49 kW (Btu/h).
Section 2 — gas burning appliances with a rated input up to 60 kW (Btu/h).

Provision for introducing air to appliances. For solid fuel and oil burning appliances the appliances should either be room-sealed or the room or space containing the boiler should be ventilated as described in table 1.
Henry reminds you that the thrust is the opening at the top of the appliance, which might be smaller than the actual chimney. Also, this air entry referred to in Section 2 is not the same as the air entry referred to in Section 1.

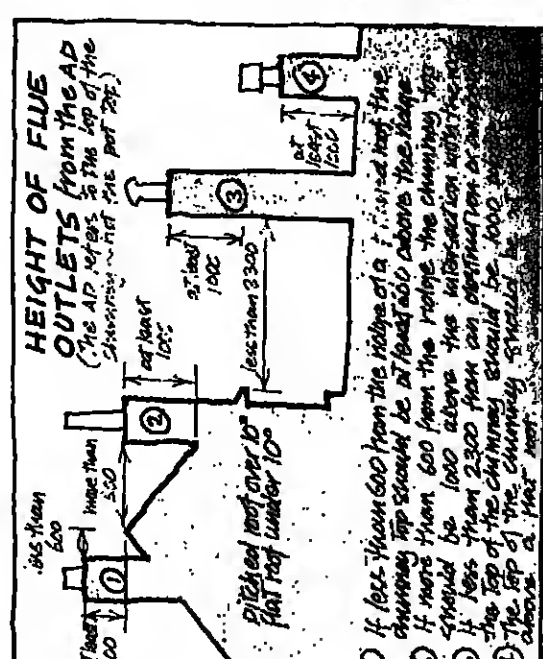
the discharge pipe (not to the level of discharge). All these should be installed so that the appliance terminals:
● so situated externally to allow free intake of air and dispersal of products of combustion;
● sited at least 600mm from any opening into the building;
● protected with a terminal guard if it could come into contact with people near the building or be subject to damage;
● designed to prevent the entry of any matter which might restrict the flue.

Flues

The table gives the minimum appropriate size. No opening should be made in a flue except for:
● inspecting or cleaning, where the opening should be fitted with a non-combustible rigid double-cased gas tight cover.
● A draught stabiliser or explosion door, where the opening should be in the same room as the appliance.

FLUE SIZE	appliance
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm
open fire in a fireplace	150mm x 150mm

No flue should have openings into more than one room or space except an opening for inspection or cleaning. Access for inspection and cleaning of an appliance and flue pipe should be provided, and where a chimney is not directly above the appliance a sootbox should be provided by means of a sealed double-cased door.
Flues should be vertical where possible. Where a slope is necessary it should make an angle with the vertical of not more than 45 deg and preferably not more than 30 deg. There should not be more than two bends. The height of the outlet from a flue should be as shown in the drawing.



WHAT'S NEW (1)

The minimum size of the air entry opening is now specified rather than being just "a ventilated opening". Extract fans should only be fitted in a room containing an appliance if the appliance is room sealed.

Provisions for discharging the products of combustion

Here the AD considers individual forms of flues and chimneys.
If an appliance is being connected to a chimney built before February 1, 1986, there are relaxations on bends in flues, access for inspection and cleaning, and for the actual construction of the chimney. If the temperature of the flue gases from an oil burning appliance does not exceed 260 deg C a chimney or flue pipe suitable for a gas burning appliance (see Easirecs No 36 shortly) may be used.

Balanced-flued appliances

The DoE has said that this section should have been headed 'Balanced-flued appliances and low-level sealed appliances'. The low level refers to the siting of

Flue Pipes

A flue pipe should only be used to connect an appliance to a chimney. It should not pass through:
● any internal wall or partition;
● a floor;
● a roof space.
If a horizontal connection is needed to connect a back outlet appliance to a chimney, connecting sections should not be longer than 150mm. Otherwise a flue pipe should not make an angle of more than 45 deg with the vertical.

Chimneys

Chimneys should either be built of masonry or be factory made insulated chimneys. Masonry chimneys may be built of any masonry material with a lining (see next week for BS references for materials) where the linings are fitted with the sockets or rebates uppermost to prevent condensate running out and to prevent any caulking material being adversely affected. Joints between the liners and any space between the liners and the masonry should be filled with weak mortar or insulating concrete. (It is not clear what is meant by insulating concrete — the CCA are scratching their heads). Alternatively, a masonry chimney may be built of a refractory material without a lining.
A factory-made insulated chimney (see next week for BS references for materials) should be installed in accordance with the manufacturer's instructions and be accessible throughout its length for maintenance and replacement. The AD says "such an arrangement may be difficult in the case of flats and maisonettes. In these cases such chimneys should not be used. Joints in such chimneys should not be made within a wall unless the joint is deaved to isolate it from the wall."

WHAT'S NEW (2)

The location of balanced flues and low level flues was not stipulated before.
Flexible flue liners for solid fuel or oil appliances are now no longer allowable in chimneys built after 1, February 1986.
There are no references to shielding people from contact with flue pipes.

ALTERNATIVE APPROACH

The only part of Approved Document 1 that has an alternative approach is the section on masonry chimneys where it states: "Masonry chimneys may also be constructed so as to meet the relevant recommendations of BS 6441 Installation of chimneys and flues for domestic appliances burning solid fuel (including wood and peat) Part 1: 1986 Code of Practice for masonry chimneys and flue pipes." This standard goes into much greater detail than the AD.

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ARCHITECTURAL ASSISTANTS/TECHNICIANS
required by busy Architects office with varied workload in commercial, industrial and housing. Good salaries and pleasant conditions.
Please apply in writing giving brief details to:
John Spratley, John Spratley & Partners
St Edmund House, West St Helen Street
Milton Keynes, Bucks MK1 1BN

CPD (Wales) Limited
Continuing Professional Development Services for Architects and the Construction Industry in Wales
Applications are invited for a part-time appointment as Executive Director of CPD (Wales) Limited.
Applicants will have senior or managerial experience in the construction professions and a total of £19,500 (inclusive of VAT) will be available for their services over a period of one year in return for significant contribution towards the development of a viable company based in Cardiff.
The successful candidate will have with professional practices and construction industry organisations throughout Wales to determine needs and demands and organise the necessary services. Consideration will be given to applicants wishing to maintain an existing academic or business commitment.
Applicants should provide a C.V. and brief resume describing their approach to CPD in Wales. This should include a statement of how they can be made available over a period of one year.
All information will be treated in the strictest confidence.
Applications should be received by mid-day on Wednesday the 9th July, 1986 and marked for the attention of:
T. D. Snow, RIBA
Secretary
CPD (Wales) Limited
75a Llandennis Road, Cardiff CF2 6EE

CLERK OF WORKS
epr partnership requires immediately a provably experienced Clerk of Works for a major redevelopment currently under construction in North East London with about two years to completion.
Contract value £20m.
Salary to be fairly related to experience.
Apply in writing giving age, experience and references which can be taken up.
Reference RS/CoW

Senior Architectural Technicians/Assistants
required for responsible positions in a small informal practice to work primarily on new prestigious City office development.
Please apply in writing enclosing C.V. and expected salary range to:-
R F White & Associates, 110-120 East Hill, Wandsworth SW18 2NF.
Tel: 01 870 7451

LONDON BOROUGH OF HARINGEY
SPECIAL PROJECTS OFFICER
£11,973-£12,861 (POI)
Haringey, with a stock of 84,000 council houses and some of the worst private sector housing conditions in London is spending some £30 million each year on tackling housing problems.
The Technical Policy Group, under the Assistant Borough Housing Officer (Policy & Programming) provides support and advice to the decentralised area teams, and co-ordinates and monitors area technical programmes.
The special projects Officer will be a member of the Technical Policy Group, reporting to the Chief Technical Officer, and will be expected to work directly with the area teams, other divisions of the Housing Service, other Council services, and outside agencies.
You will have particular responsibility to assist the Chief Technical Officer in ensuring that technical policies and standards are co-ordinated and consistently applied and, under the direction of the Chief Technical Officer, to initiate, manage and monitor special technical development projects and to prepare reports for committees as required.
You will normally be expected to be professionally qualified in a relevant technical subject and to have at least 5 years experience directly relevant to the content of the post.
A general interest in and knowledge of housing problems is essential. The duties will call for a high degree of initiative and self-motivation. This job is suitable for job sharing and applications are particularly welcome from women/black and minority ethnic groups as well as from disabled persons.
For a job description and application form please apply in Recruitment & Personnel Office, Corporation Housing Service, 17/17 Station Road, Wood Green, N15. Tel: 089-5615 (24 hr answering service).
Closing date: 4th July 1986
HARINGEY IS AN EQUAL OPPORTUNITY EMPLOYER

NEWBURY OFFICE
Technical staff all levels with a minimum of five years' experience. Successful candidates will be expected to work on various high quality new and refurbishment projects with an opportunity to use RUCAPS CAD.
Apply to John Stamp
Tel: (0635) 48871/48882

ROCK TOWNSEND
Site Architect
An architect is required to undertake the duties of a Resident Architect for the construction and fitting out of a prestigious new headquarters for a major insurance company client at Potters Bar, Hertfordshire, to commence on site in September 1986. The duties will involve assisting the design team in administering the contract on site, establishing quality control procedures and liaison with the contractor's management team in the coordination of the work.
The person appointed will have had several years' experience of site inspection and administration of JCT 80 contracts and be aware of the requirement to achieve quality through the use of performance specifications for a high proportion of the sub-contract work.
Previous experience as a Resident Architect would be an advantage and preference will be given to applicants who currently reside in the home counties. The appointment will be for approximately two years with an initiation period at our office and later moving onto site for the duration of the contract.
Write in the first instance with CV to:
Rock Townsend
33 Gresse Street
London W1P 1PN

CIVIC TRUST
an environmental charity wishes to appoint
PROJECT LEADER IFRACOMBE
An intensive community-based programme of environmental and economic improvements is being set in hand by the Civic Trust in Ifracombe - a traditional seaside resort on the north coast of Devon. This new initiative, a successor to the Whitworth project, is supported by North Devon District Council and other major local and national agencies.
A Project Leader is sought who can initiate action, raise standards of environmental design, work well with local people, and manage this important project soundly under Civic Trust control. The successful candidate may well hold one or more of the following qualifications: RIBA, RICS, RTH, and will have proven leadership experience. He or she will be based locally. Closing date for application 14 July.
For further information, contact Paul Davies, Principal Architect/Planner, Civic Trust, 177 Cannon House Terrace, London SW1V 5AW.

APPOINTMENTS

THE HOGGETT AND DEWHIRST PARTNERSHIP SENIOR ARCHITECTURAL TECHNICIAN

Applications are invited from Technicians with a minimum of 6-7 years experience on commercial and industrial projects, who wish to join a progressive and cheerful office in Cardiff. A sound knowledge of building construction is essential. The successful applicant must be willing to accept responsibility and to work on their own initiative.

ARCHITECTURAL TECHNICIAN
If you are at or near HNC standard and have 3-4 years experience of commercial projects and wish to further your career, apply in writing with CV, stating expected salary range to:-
J. Morris Esq
The Hoggett and Dewhurst Partnership
New House
Thornhill, Cardiff CF4 5BU

CONTRACTS MANAGER

BASED MARLOW, BUCKS

Costain Homes Limited is the name to be seen on impressive private and joint venture housing developments right across the country.

The person appointed will assume responsibility for the production of houses on a number of sites in the Hampshire area, through all stages of construction, from setting out to finished hand over.

Applicants, ideally from a 'trades' background, should be able to demonstrate extensive experience in the private house building sector of the construction industry including the control of multi-unit sites.

An excellent salary and an attractive range of fringe benefits including the use of a Company car will be provided to the successful candidate.

Please either write with full career details or telephone for an application form to:-
Mr. M. Clarke,
Personnel Manager,
Costain Homes Limited,
61/71 High Street,
Marlow,
Bucks SL7 1XB.
Tel (06284) 71841.

Costain Homes the Investment Builders



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ARCHITECTS

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PARTNERSHIP

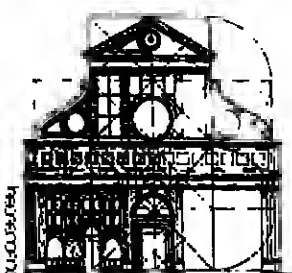
ARCHITECTS

A.D.P. has an expanding workload of exciting projects, both new and refurbishment in the public and private sectors. We are seeking people with flair, dedication, proven expertise and a wish to work in Harley on Thames.

Pleasant offices, CAD installation.

Write with career and personal details to:-

Sandra Greenleaf
Architects Design Partnership
Denmark House
Northfield End
Harley on Thames
Oxon RG9 2HW



ARCHITECT

We are looking for an experienced and capable architect to join our professional Head Office team.

Applicants must be able to show a proven record of success in the design, layout and presentation of high-quality private housing schemes. They must also be capable of progressing a scheme from its inception to completion, and of dealing directly with local authorities.

An attractive salary is offered together with a Company car and excellent conditions of service. We also offer good opportunities for career advancement.

For an application form please contact:
Kathy Harding, Bryant Group Services
Cranmore House, Cranmore Boulevard, Shirley,
SOLIHULL, West Midlands B80 4SO

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MROWICKI BIRD ASSOCIATES

Have vacancies for

ARCHITECT SENIOR TECHNICIAN(S)

We are a Young Practice (established 1983) currently seeking talented and experienced staff to assist us in a period of expansion. We expect the successful applicants will establish themselves as key members within the Practice and will share in the rewards of a period of hard work and strong growth.

Our workload is varied with a particular emphasis on commercial and retail development work. We provide a fast and thorough service to our clients, and we expect those who join us to possess demonstrable skills in the appraisal and design of projects, and particularly in the presentation and communication of ideas.

Excellent salaries are offered commensurate with experience and ability. Discretionary bonuses are also paid and, after a suitable probationary period, additional benefits (company car, health insurance) will be considered.

Apply in writing with full relevant details to:
Mrowicki Bird Associates
191 New London Road, Chelmsford, Essex CM3 0QT

SENIOR ARCHITECT

We need an ambitious Architect who can combine design flair with a sound technical knowledge of energy conservation techniques. Energy efficient design that looks good.

Current projects include, flats, houses, high-tech industrial buildings, schools, refurbishments and an urban farm in London's Docklands.

We are a young friendly practice that has always set out to produce buildings that are energy efficient. Our multi-disciplinary team includes M&E Engineers and Energy Consultants as well as a team of 60 Architects.

The ideal applicant will have at least 7 years experience especially in new-build housing and residential refurbishment. The right person could rapidly become an associate.

Please write with C.V. and examples of work to:
David Tarrant
The ECO Partnership
11-15 Emerald Street, London WC1N 3QL
Tel 01-403 3121

ROFF MARSH & PARTNERS ARCHITECTURAL TECHNICIAN

required for busy office with interesting and varied workload, maximum involvement at all stages encouraged. Pleasant environment with own car park.

Write or telephone:
Roff Marsh & Partners
193 New London Road, Chelmsford, Essex
Tel: 0845 57644 or 355298

Layout Architect/ Assistant

We are looking for a talented Designer with specialist knowledge in the layout of private housing schemes.

This is a senior position within our Bristol Office. Professional qualifications although desirable are less important than a proven track record.

An excellent salary and company car will be provided together with the full range of benefits associated with a major international company.

In the first instance please write enclosing a cv and indicate how you satisfy the above requirements to: R. Crow, Architects Department, Wimpey Home Holdings Ltd., Stockwood Road, Brislington, Bristol BS4 5LT.



CAROE & MARTIN ARCHITECTS
require an

ARCHITECT

with experience in the repair of Historic Buildings, in their office in SOMERSET.
Apply in writing with CV to:-
Caroe & Martin
Penniless Porch, Market Place, Wells
Somerset BA3 9BB



ARCHITECTURAL ASSISTANT

- 2 YEAR CONTRACT

Salary: Scale 4/5 £6,900-£8,697 p.a. (negotiable)

An ARCHITECTURAL TECHNICIAN or recently qualified ARCHITECT required to support a small team engaged on the detailed design of Sittingbourne's new La Laura Centre and various interesting housing schemes. An appropriate qualification, technical expertise and enthusiasm are our prime needs for this 2 year engagement.

We offer terms and conditions of service a equal to our permanent staff (superannuation, leave and sickness schemes) flexible working hours, casual user car allowance, modern office and temporary accommodation. Further details from Mr. J. Bester 373, Principal Architect.

Application forms and job descriptions available from Personnel Section, Swale House, East Street, Sittingbourne, Kent, ME10 3HT, telephone 0795 24341 Ext. 383. Closing date 10 July, 1988.

ARCHITECT

Bass Wales and West Limited are part of Bass PLC one of the country's leading brewers. Our Architects Department have an exciting and varied project programme. This programme offers talented architects the opportunity to express their design skills through all contract stages, including providing innovative and attractive interiors.

We are looking for an Architect with a minimum of two years practical experience since obtaining his/her R.I.B.A. Part II examination.

With a preferred age range of 25-30, they must be energetic and enthusiastic with a keen interest and flair for architectural design, as well as a practical knowledge of building construction and contract management.

We offer a competitive salary, a contributory pension and life assurance scheme, Company car and after a period of service free BUPA membership and participation in the Company Share Scheme.

Applications in writing with full details of age, experience and current salary to:-

J.L. Donne,
Recruitment Manager,
Bass Wales and West Limited,
Maes-y-Coed Road,
CARDIFF, CF4 4UW.

A member of the Bass Group

PINNER, MIDDX.

A small but busy office requires an Assistant/Technician capable of understanding working drawings and site supervision.

Applicants to apply with CV to:
Simpson & Pinner,
3 Chapel Lane, Pinner, MDDX HA3 1AA, or telephone 0181 868 0966 for an appointment.

Montrose Architecture TECHNICIAN

Leicester - North - 8. 1/2 hrs.
Looking for a change? We have a choice of top paying positions all with immediate start. Call now and choose.
2/4 Listergate,
Nottingham, NG1 7DB
Recruitment Consultants

Montrose Architecture TECHNICIAN

General Birmingham
Use your skills in a new area
opportunity to work on a variety of
projects in a friendly and
supportive environment. We
are looking for a person with
experience in the design and
drawing of buildings and
structures. We offer a
competitive salary and
benefits. New South East

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We are looking for experienced Architects and Technicians with imagination, flair and enthusiasm, to join one of our rapidly expanding divisions.

We've grown phenomenally in the past decade by being good, efficient and effective. We have a reputation for good design tempered with commercial realism. Our workload is enormously varied and includes housing schemes, office developments, retail schemes and a wide range of factory and high-tech campus schemes.

Although we are a large company we operate as a number of architectural divisions which allow us to combine the friendly atmosphere of a small practice with the interesting and demanding workload of a larger one.

If you are looking for an attractive salary with the opportunity to develop your existing skills and to learn new ones contact:

Richard Gardner,
Divisional Director.

ARCHITECT REQUIRED

Associate Architect required by North London Architectural Practice to take administrative responsibility for housing rehabilitation programme.

Applicant should have 5 years architectural experience at least 3 of which should be in housing rehabilitation. Responsibilities will include the organising and running of a small architectural team responsible for projects of between £100,000 and £2,000,000, job running, liaison with Consultants and Client Groups, with direct responsibility to the Principals.

Remuneration by mutual agreement will include full car allowance and profit share.

DAVID PARRY ASSOCIATES

WEST FAULKNER ASSOCIATES

We are an expanding practice able to offer the prospect of career advancement to applicants with the ability to work on their own initiative with skill, enthusiasm, and a real interest in the quality of their work.

Applicants are sought both for the London and Surrey offices. Due to an expanding workload in both the public and private sectors in residential and commercial work we are seeking

ARCHITECTS ARCHITECTURAL TECHNICIANS SURVEYORS

with a minimum of 3 years experience.

Please apply in writing with full CV, to:
1 Aylesford Street, London SW1
or telephone 01-851 8194 for an appointment.

ARCHITECT

Salary Scale SO1/PO(C)

£9,975-£12,638

(Pay Award Pending)

You will be a registered Architect with good general experience and a sound knowledge of Building construction and detailing. Responsible for a variety of projects, involving the preparation of designs and working drawings and site and contract supervision.

"Sunny" Worthing is a pleasant south coast town surrounded by the attractive Sussex countryside. The Council provides excellent fringe benefits including a £2,000+ relocation package in appropriate cases, flexible working hours etc.

Application form, job description and further information available from The Borough Architect, Stratford Lea, Stoke Abbott Road, West Sussex BN11 1HG. Tel. (0803) 38888 Ext. 323.

Applications are to be returned by Friday 11th July 1988.

Worthing Borough Council

APPOINTMENTS

Practice Group Leader

PO6 £17,148-£18,226 (including
London Weighting Allowance)

The Architectural Division particularly welcomes applications from Black and Ethnic Minorities, Women, Lesbians, Gay Men, and people with Disabilities. Applicants are considered on the basis of their relevant experience, abilities and qualifications. We are seeking a qualified Building Surveyor or Registered Architect with the ability to motivate and lead a group of up to 15 staff to achieve high quality design work. You will be a member of the Divisions Management Group and will be required to represent the Division at Council Committee meetings which take place in the evenings.

You should have a commitment and interest in addressing the problems of an inner city borough and will need to be sensitive to and able to respond to the policies of the Authority. You should be able to apply your knowledge of building construction, contract administration, project programming and staff management in an open and participatory management style. You will contribute to the development of divisional policy within the corporate context.

Please quote Ref RKB88/BD.

Job share applications will be welcomed with or without a partner.

Group Leader Principal Landscape Officer

PO4 £16,065-£17,148 including LWA

An experienced Landscape Architect committed to improving the landscape of the inner city and to working with the local community on complex and challenging urban schemes is required to lead the Landscape Group. You will be a member of the Architectural Division Management Group and will be responsible for developing, monitoring and assessing the Landscape Group and you will also represent the Division at Committee meetings.

Currently the Architectural Division consists of six architectural groups, one landscape group, quantity surveyors and clerks of works. The current landscape establishment is eight posts, but the group is likely to expand in the near future. This would give you scope for personal development.

The group handles a wide variety of projects including environmental improvements, new build and rehabilitation housing landscapes, urban programme schemes, new parks and improvement to existing parks, canals, town schemes and advising other Council departments and community organisations on landscape matters.

You should have a sound knowledge of landscape design, construction and contract administration.

Job share applications will be welcomed with or without a partner.

Please quote Ref RKB88/BD.

Application forms are available from John Penney, Head of Personnel Services, Town Hall, Mare Street, E8 1EA or telephone 01-888 6331 (24 hour answering service) quoting reference.

Closing date: 4th July, 1988.

The Council intends to decentralise its services, therefore the duties, hours of work or location of these posts may be subject to change.

HACKNEY COUNCIL Working for local people

We positively welcome applications from black people, disabled people and women where they are under-represented in particular jobs.

PROJECT ASSISTANTS (TWO)

Grade SO1 £9,975-£10,638

WESTERN LAKE DISTRICT

Copeland Borough Council, based in the Western Lake District, is looking to recruit two suitably qualified and experienced Project Assistants to join a small but busy architects section in its Housing and Architectural Services Department.

The Department's work programme involves new build, repair and improvement of housing and public buildings. The successful candidates will work under the general direction of an architect and have full responsibility for various projects from the initial feasibility study to producing drawings, specifications and contract documents, to on-site supervision.

Preference will be given to candidates with a minimum of five years experience in construction and who have completed Part I RIBA or are members of SAAT or have other equivalent qualifications.

The posts attract accommodation, removal expenses, disturbance allowance, a 35% hour week with flexible, car user allowance and car assisted purchase scheme.

For further information, contact Eric Thomson, Housing and Architectural Services Manager, who would welcome a call on (0946) 3111.

Application forms and further details are available from:
The Personnel Section, PO Box 19,
The Council Offices, Catherine Street,
Whitehaven, Cumbria, CA15 7HY.
(Tel 0946 3111, Ext 527)
Closing date 1 July 1988.

P.H. Thomson
Chief Executive

COPELAND BOROUGH COUNCIL

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May suit part qualified Surveyor.
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Chartered Surveyors
27 Station Road, London NW10 4UP
(Apply to reference J.G.)
Tel 01-943 9441

Metropolitan Borough of Stockport

TECHNICIAN

(Architecture or Planning)

£6,900-£8,697

* Can you think on your feet and talk the hind leg off a donkey?

* Do you want a job that's demanding enough to use ALL your talents?

* Do you have good skills in visual presentation?

* Do you have qualifications M.S.A.A.T. or H.T.C.? YES!!

Then ring 061-480 4949 ext. 3516 for application forms and further details or write to:

Development and Town Planning Division

Greenhale House, Piccadilly, Stockport SK1 3XE

Closing date: 7th July 1988

An Equal Opportunities Employer

GMW Partnership

require experienced

ARCHITECTS & TECHNICIANS

Urgently required to work on exciting new major office project in the City of London currently at design development stage, progressing through to production drawings. It would be advantageous if applicants are familiar with city office building design and possess a flexible outlook and sense of humour in addition to design appreciation.

Submit CV in first instance to:

Alan Rutterford

GMW Partnership

PO Box 1BJ

18 Manchester Square

London W1A 1BJ

(Mark envelope COB1)

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Qualified and experienced Architect/Surveyor required to take full site responsibility of project which will involve the rapid resolution of technical problems, contract management, client liaison and tenant consultation. Excellent salary. Pension scheme available. Fringe benefits.

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FLOYD SLASKI & PARTNERS
55 Clapham Common South Side
London SW4 9NU

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Qualified Architects, Assistant Architects and Technicians are required immediately by:

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Tel: 0323 648337

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ARCHITECTS

Of exceptional design and technical ability, with a minimum of 3 years experience are required to work on corporate and commercial projects, both urban and out of town.

Please apply with CV, AND samples of work to:-

Alison Meldrum

Building Design Partnership

P.O. Box 4WD

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London W1A 4WD

